

Supplementary Online Content

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eFigure 1. Literature Search/PRISMA Flow

eFigure 2. Mean Gestational Age of the Enrolled Neonates

eFigure 3. Risk of Bias Summary and Graph of the Included Trials

eFigure 4. Direct Evidence from the Pair Wise Comparisons for the Primary Outcome BPD or Mortality at 36 Weeks' PMA

eFigure 5. Split Between Direct and Indirect Evidence for the Primary Outcome BPD or Mortality at 36 Weeks' PMA

eFigure 6. Network Plot for BPD at 36 Weeks' PMA (A), SUCRA Plot with SUCRA Values (%) for BPD at 36 Weeks' PMA (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with "Placebo" as the Common Comparator for BPD at 36 Weeks' PMA (C)

eFigure 7. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for BPD at 36 Weeks' PMA

eFigure 8. Direct Evidence from the Pair Wise Comparisons for BPD at 36 Weeks' PMA

eFigure 9. Split Between Direct and Indirect Evidence for BPD at 36 Weeks' PMA

eFigure 10. Network Plot for BPD at 28 Days (A), SUCRA Plot with SUCRA Values (%) for BPD at 28 Days (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with "Placebo" as the Common Comparator for BPD at 28 Days (C)

eFigure 11. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for BPD at 28 Days

eFigure 12. Direct Evidence from the Pair Wise Comparisons for BPD at 28 Days

eFigure 13. Split Between Direct and Indirect Evidence for BPD at 28 Days

eFigure 14. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with "Placebo" as the Common Comparator for Mortality (C)

eFigure 15. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Mortality

eFigure 16. Direct Evidence from the Pair Wise Comparisons for Mortality

eFigure 17. Split Between Direct and Indirect Evidence for Mortality

eFigure 18. Network Plot for BPD (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Successful Extubation (C)

eFigure 19. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Successful Extubation

eFigure 20. Direct Evidence from the Pair Wise Comparisons for Successful Extubation

eFigure 21. Split Between Direct and Indirect Evidence for Successful Extubation

eFigure 22. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “LaMdx” as the Common Comparator for NDI at 18-24 Months (C)

eFigure 23. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for NDI at 18-24 Months

eFigure 24. Direct Evidence from the Pair Wise Comparisons for NDI at 18-24 Months

eFigure 25. Split Between Direct and Indirect Evidence for NDI at 18-24 Months

eFigure 26. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for GI Perforation (C)

eFigure 27. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for GI Perforation

eFigure 28. Direct Evidence from the Pair Wise Comparisons for GI Perforation

eFigure 29. Split Between Direct and Indirect Evidence for GI Perforation

eFigure 30. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Hypertrophic Cardiomyopathy (C)

eFigure 31. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Hypertrophic Cardiomyopathy

eFigure 32. Direct Evidence from the Pair Wise Comparisons for Hypertrophic Cardiomyopathy

eFigure 33. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Hypertension (C)

eFigure 34. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Hypertension

eFigure 35. Direct Evidence from the Pair Wise Comparisons for Hypertension

eFigure 36. Split Between Direct and Indirect Evidence for Hypertension

eFigure 37. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Sepsis (C)

eFigure 38. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sepsis

eFigure 39. Direct Evidence from the Pair Wise Comparisons for Sepsis

eFigure 40. Split Between Direct and Indirect Evidence for Sepsis

eFigure 41. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Severe ROP (C)

eFigure 42. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Severe ROP

eFigure 43. Direct Evidence from the Pair Wise Comparisons for Severe ROP

eFigure 44. Split Between Direct and Indirect Evidence for Severe ROP

eFigure 45. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for NEC (C)

eFigure 46. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for NEC

eFigure 47. Direct Evidence from the Pair Wise Comparisons for NEC

eFigure 48. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for IVH>II (C)

eFigure 49. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for IVH >II

eFigure 50. Direct Evidence from the Pair Wise Comparisons for IVH >II

eFigure 51. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for PVL (C)

eFigure 52. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for PVL

eFigure 53. Direct Evidence from the Pair Wise Comparisons for PVL

eFigure 54. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for CP (C)

eFigure 55. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for CP

eFigure 56. Direct Evidence from the Pair Wise Comparisons for CP

eFigure 57. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sensitivity Analysis - Duration of Course of Dexamethasone

eFigure 58. Split Between Direct and Indirect Evidence for Duration of Course of Dexamethasone

eFigure 59. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Sensitivity Analysis Excluding Trials with Antenatal Corticosteroid Coverage <70% (C)

eFigure 60. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sensitivity Analysis Excluding Trials with Antenatal Corticosteroid Coverage <70%

eFigure 61. Split Between Direct and Indirect Evidence for Sensitivity Analysis Excluding Trials with Antenatal Corticosteroid Coverage <70%

eFigure 62. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Sensitivity Analysis by Excluding Trials with High Risk of Bias (C)

eFigure 63. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sensitivity Analysis by Excluding Trials with High Risk of Bias

eFigure 64. Split Between Direct and Indirect Evidence for Sensitivity Analysis by Excluding Trials with High Risk of Bias

eFigure 65. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Sensitivity Analysis by Combining Different Types of Inhaled Corticosteroids (C)

eFigure 66. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sensitivity Analysis by Combining Different Types of Inhaled Corticosteroids

eFigure 67. Split Between Direct and Indirect Evidence for Sensitivity Analysis by Combining Different Types of Inhaled Corticosteroids

eTable 1. Literature Search Strategy for Two Electronic Databases

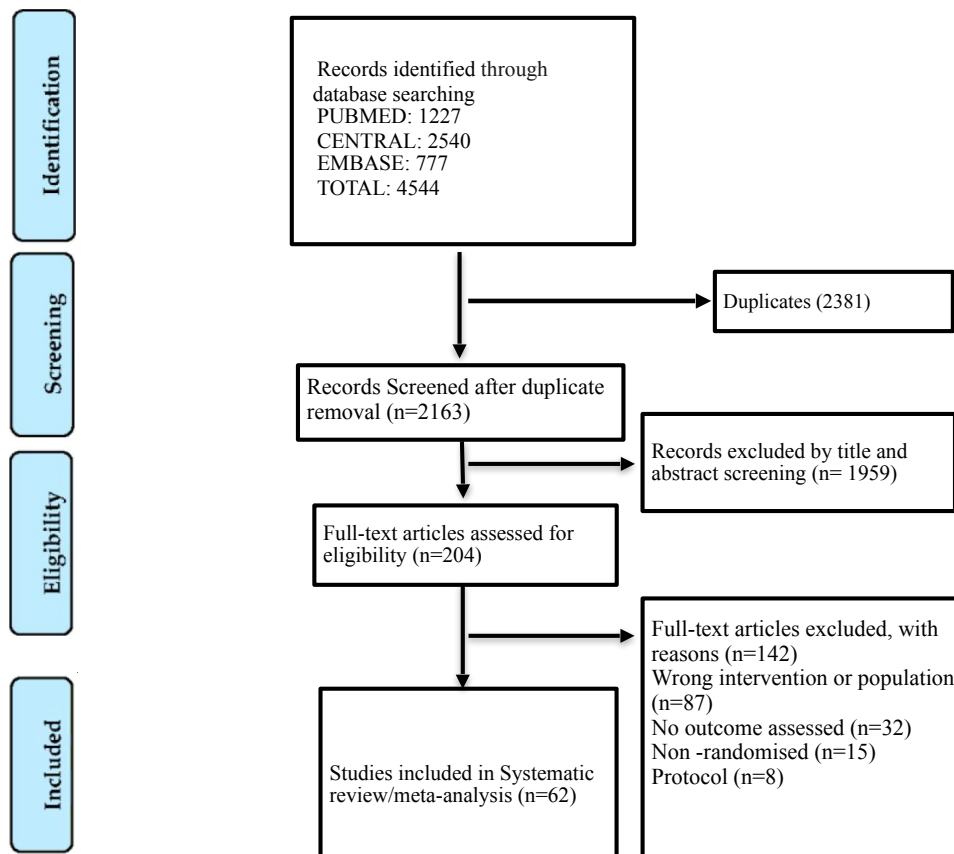
eTable 2. Some of the Studies That Were Excluded for Valid Reasons

eTable 3. Network Characteristics for All the Outcomes and Sensitivity Analysis

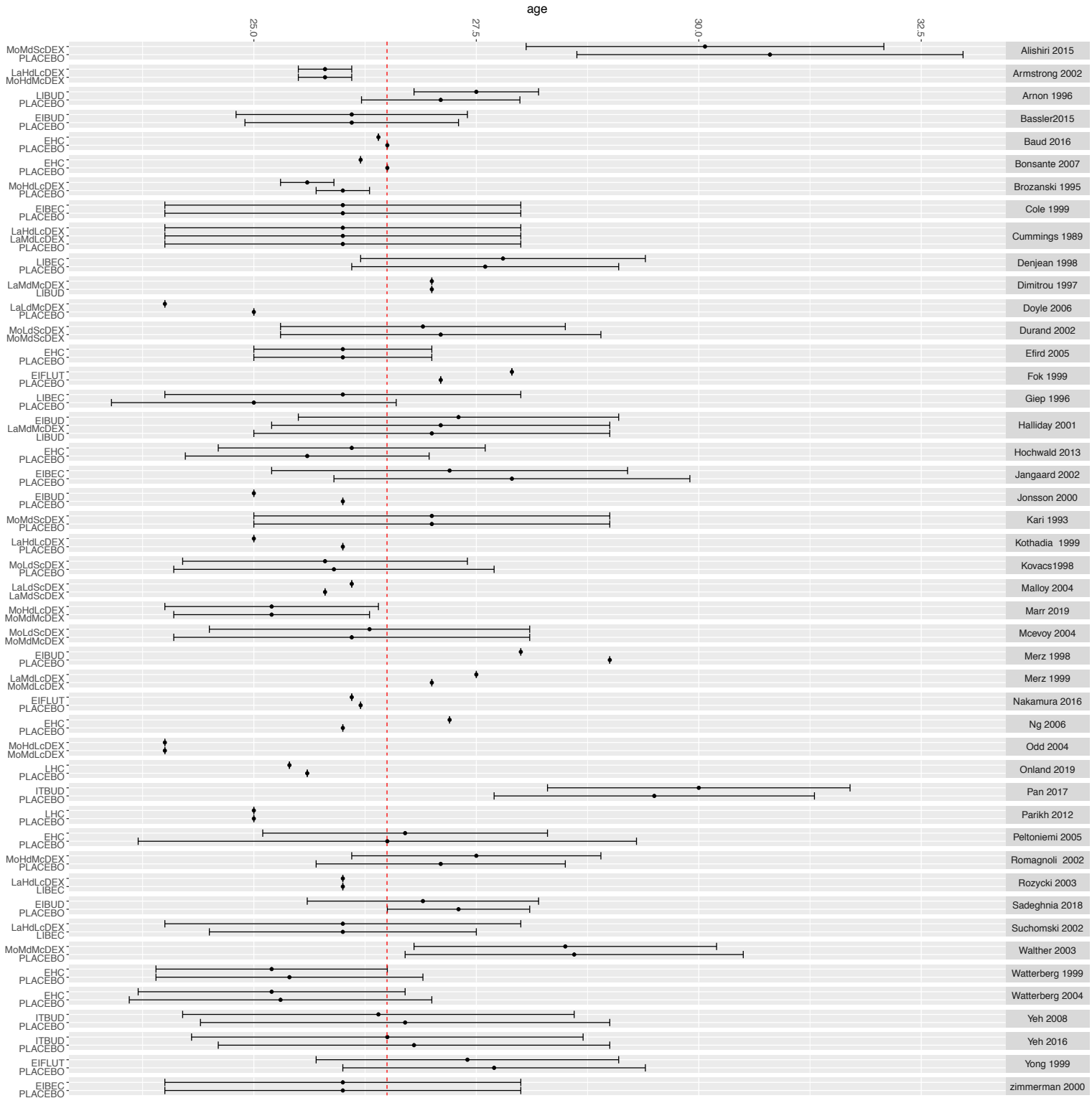
eTable 4. GRADE/Quality of Evidence for Some of the Secondary Outcomes

This supplementary material has been provided by the authors to give readers additional information about their work.

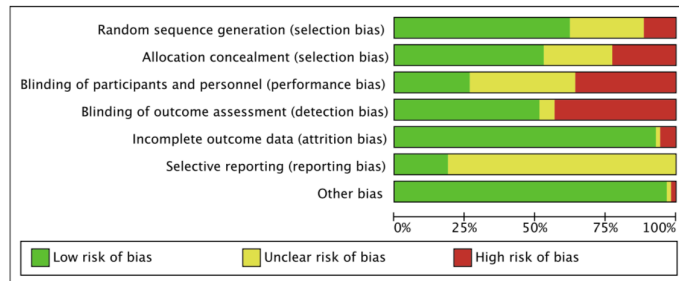
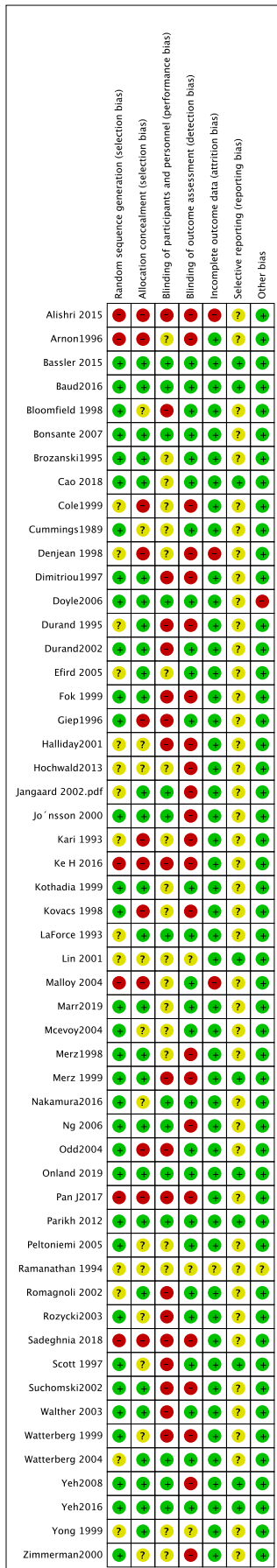
eFigure 1. Literature Search/PRISMA Flow¹⁻⁶²



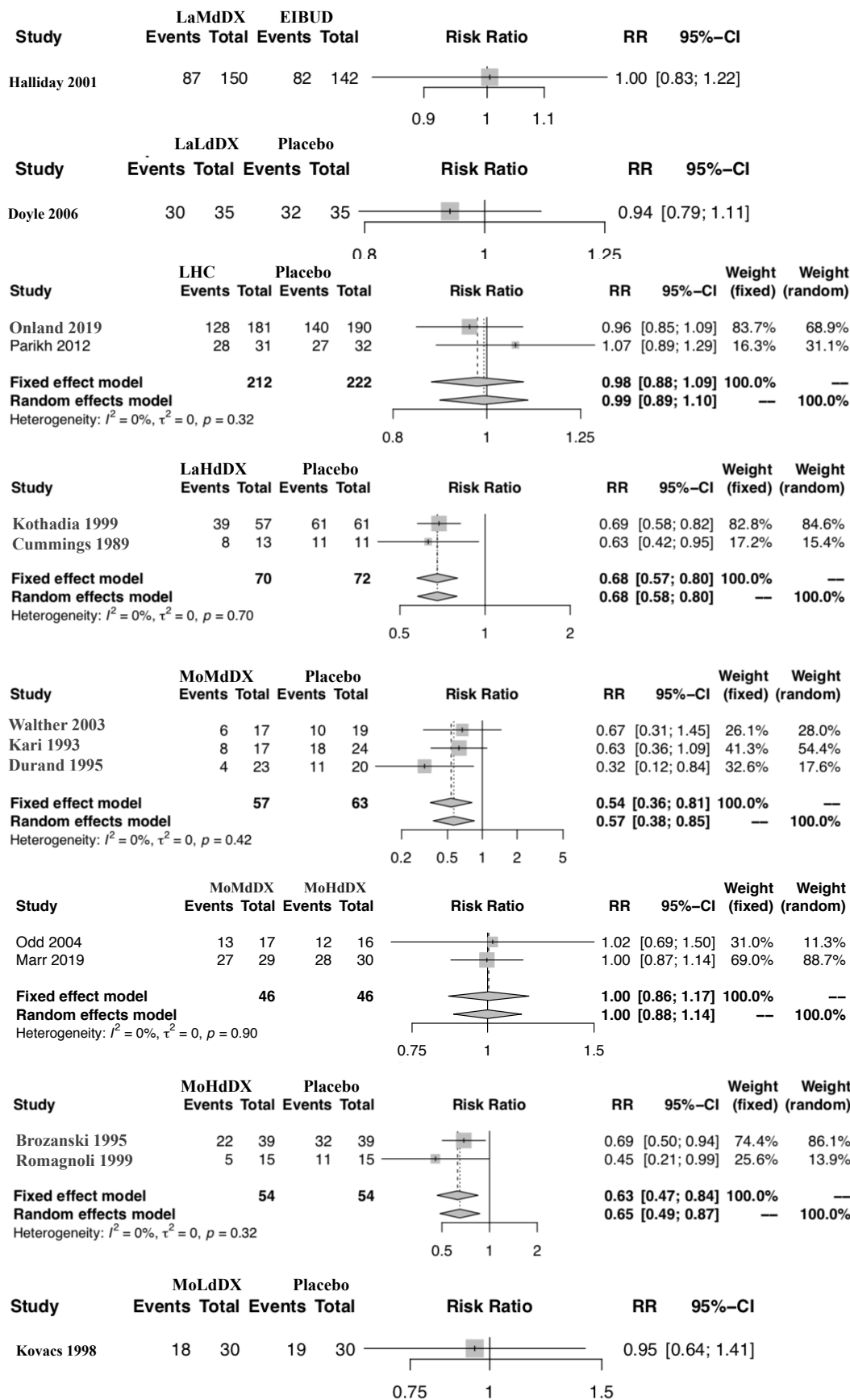
eFigure 2. Mean Gestational Age of the Enrolled Neonates



eFigure 3. Risk of Bias Summary and Graph of the Included Trials



eFigure 4. Direct Evidence from the Pair Wise Comparisons for the Primary Outcome BPD or Mortality at 36 Weeks' PMA



Study	LaMdDX		LaLdDX		Risk Ratio	RR	95%-CI
	Events	Total	Events	Total			
Malloy 2004	8	9	6	8		1.19	[0.75; 1.88]

Study	LIBEC		LaHdDX		Risk Ratio	RR	95%-CI	Weight (fixed)	Weight (random)
	Events	Total	Events	Total					
Rozycki 2003	25	46	7	15		1.16	[0.64; 2.13]	23.9%	2.8%
Suchomski 2002	46	49	26	27		0.97	[0.88; 1.08]	76.1%	97.2%
Fixed effect model	95		42			1.02	[0.86; 1.21]	100.0%	—
Random effects model						0.98	[0.89; 1.08]	—	100.0%

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.33$

Study	EIBEC		Placebo		Risk Ratio	RR	95%-CI	Weight (fixed)	Weight (random)
	Events	Total	Events	Total					
Jangaard 2002	6	30	6	30		1.00	[0.36; 2.75]	11.8%	9.2%
Cole 1999	30	123	31	130		1.02	[0.66; 1.58]	59.3%	49.1%
zimmerman 2000	13	23	15	24		0.90	[0.56; 1.45]	28.9%	41.8%
Fixed effect model	176		184			0.99	[0.72; 1.36]	100.0%	—
Random effects model						0.97	[0.71; 1.32]	—	100.0%

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.93$

Study	ITBUD		Placebo		Risk Ratio	RR	95%-CI	Weight (fixed)	Weight (random)
	Events	Total	Events	Total					
Yeh 2016	55	131	89	134		0.63	[0.50; 0.80]	56.4%	35.8%
Yeh 2008	19	60	34	56		0.52	[0.34; 0.80]	22.6%	28.3%
Lin 2001	34	44	32	42		1.01	[0.80; 1.28]	21.0%	35.9%
Fixed effect model	235		232			0.69	[0.58; 0.81]	100.0%	—
Random effects model						0.71	[0.47; 1.07]	—	100.0%

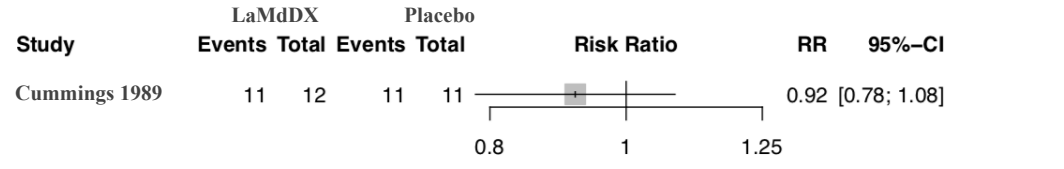
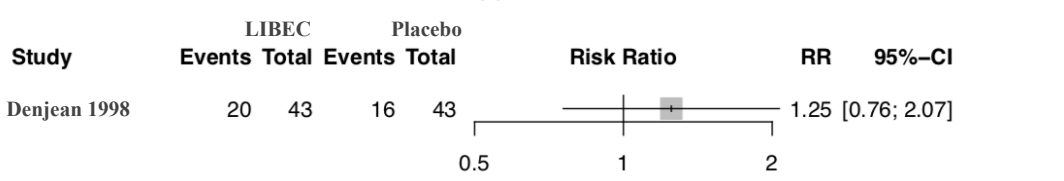
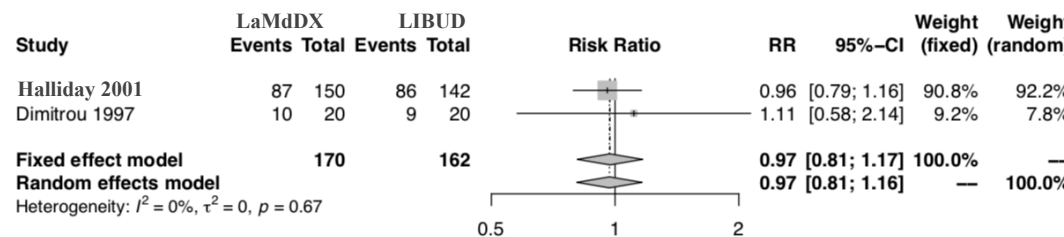
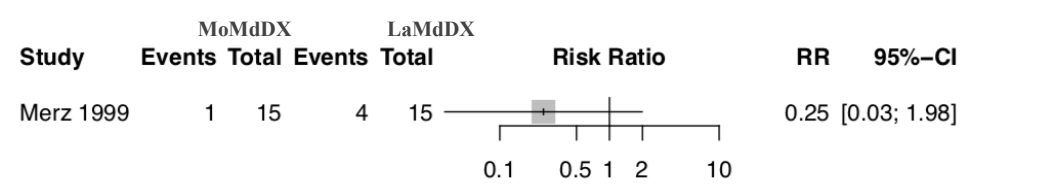
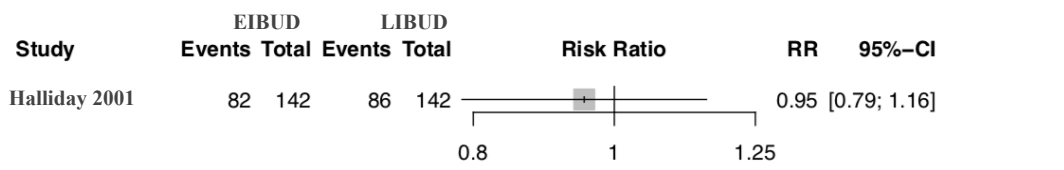
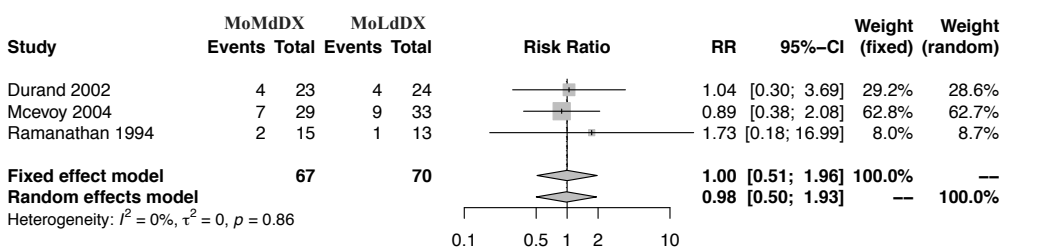
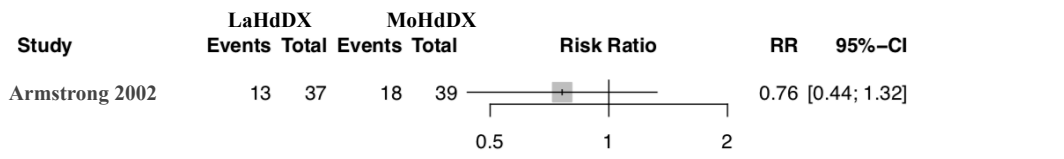
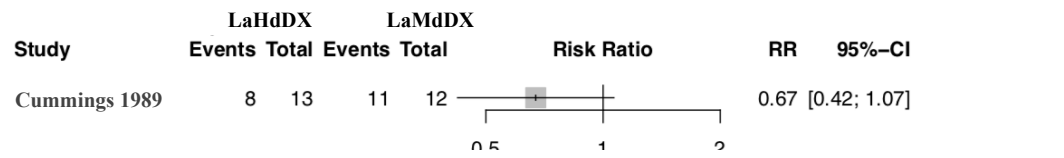
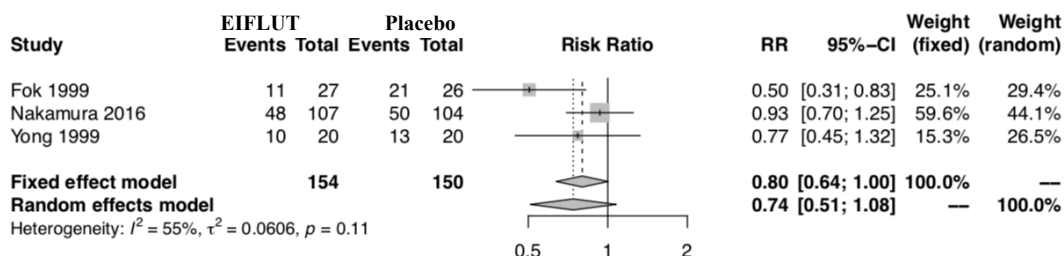
Heterogeneity: $I^2 = 84\%$, $\tau^2 = 0.1105$, $p < 0.01$

Study	EIBUD		Placebo		Risk Ratio	RR	95%-CI	Weight (fixed)	Weight (random)
	Events	Total	Events	Total					
Bassler2015	175	437	194	419		0.86	[0.74; 1.01]	89.6%	58.0%
Jonsson 2000	9	14	11	14		0.82	[0.51; 1.32]	5.0%	32.7%
Merz 1998	0	12	0	11		0.25	[0.08; 0.82]	0.0%	0.0%
Cao 2018	3	40	12	40		0.25	[0.08; 0.82]	5.4%	9.3%
Fixed effect model	503		484			0.83	[0.72; 0.96]	100.0%	—
Random effects model						0.76	[0.51; 1.12]	—	100.0%

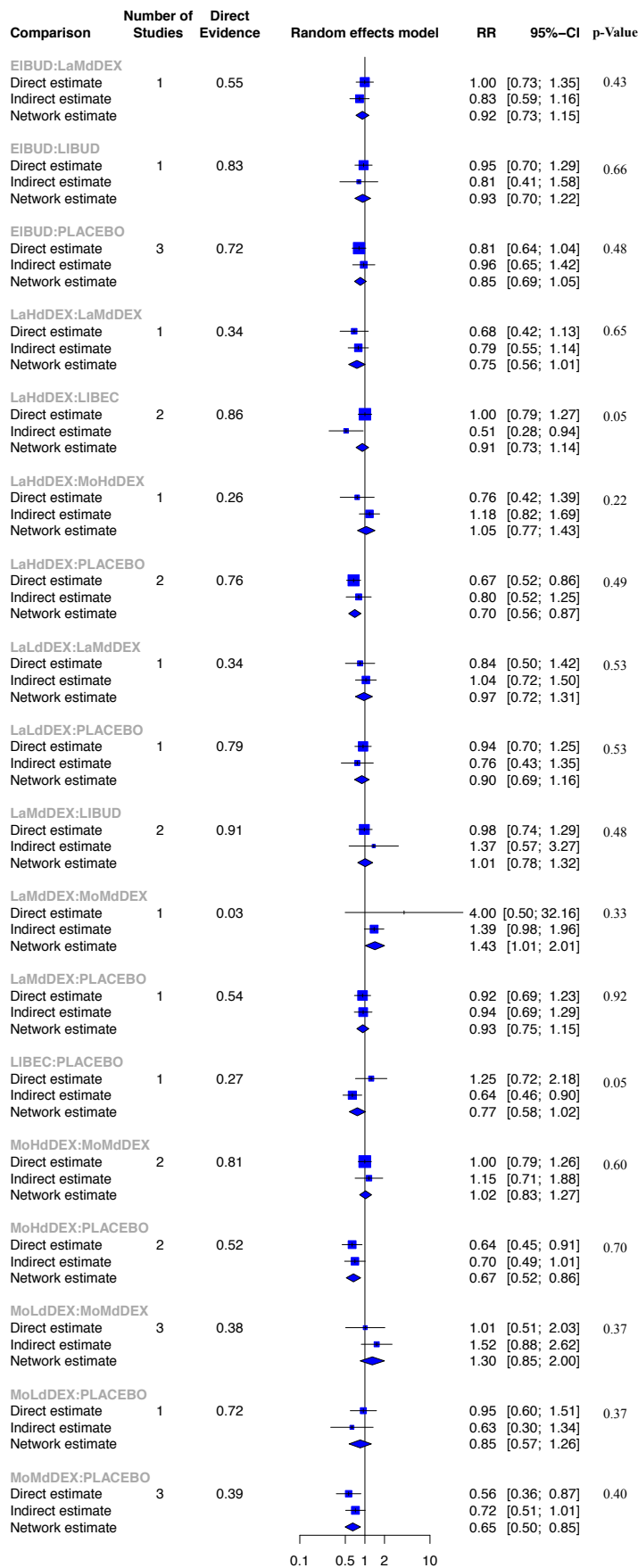
Heterogeneity: $I^2 = 53\%$, $\tau^2 = 0.0623$, $p = 0.12$

Study	EHC		Placebo		Risk Ratio	RR	95%-CI	Weight (fixed)	Weight (random)
	Events	Total	Events	Total					
Baud 2016	102	255	130	266		0.82	[0.67; 0.99]	39.7%	26.1%
Bonsante 2007	10	25	18	25		0.56	[0.32; 0.95]	5.6%	8.7%
Peltoniemi 2005	9	25	14	26		0.67	[0.36; 1.26]	4.3%	6.7%
Watterberg 1999	8	20	13	20		0.62	[0.33; 1.15]	4.1%	6.9%
Watterberg 2004	116	179	118	178		0.98	[0.84; 1.14]	36.9%	29.6%
Hochwald 2013	4	11	9	11		0.44	[0.19; 1.02]	2.8%	4.2%
Efird 2005	11	16	11	18		1.12	[0.69; 1.85]	3.2%	9.9%
Ng 2006	13	24	11	24		1.18	[0.67; 2.09]	3.4%	8.0%
Fixed effect model	555		568			0.86	[0.77; 0.96]	100.0%	—
Random effects model						0.84	[0.70; 1.00]	—	100.0%

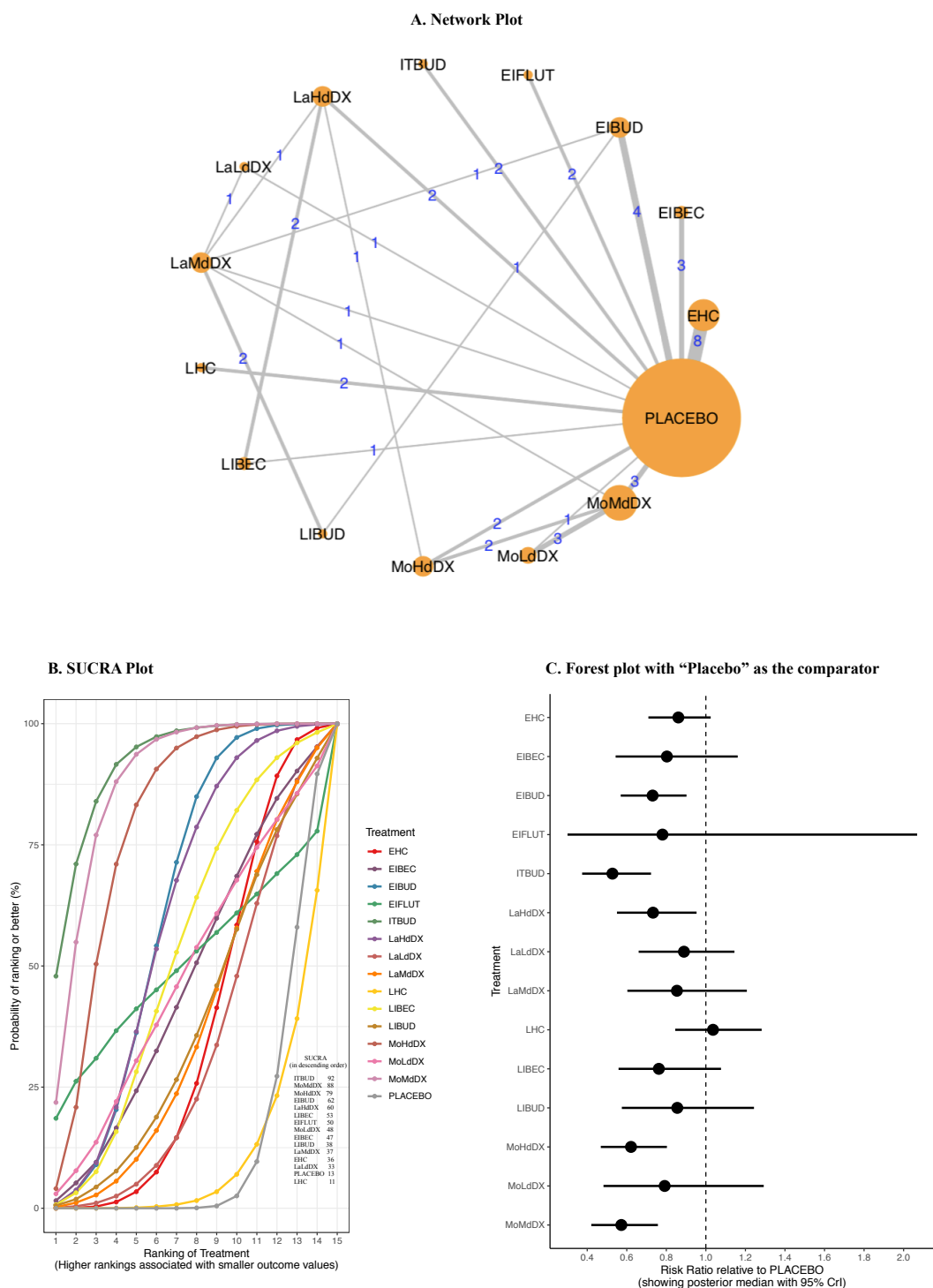
Heterogeneity: $I^2 = 42\%$, $\tau^2 = 0.0230$, $p = 0.10$



eFigure 5. Split Between Direct and Indirect Evidence for the Primary Outcome BPD or Mortality at 36 Weeks' PMA



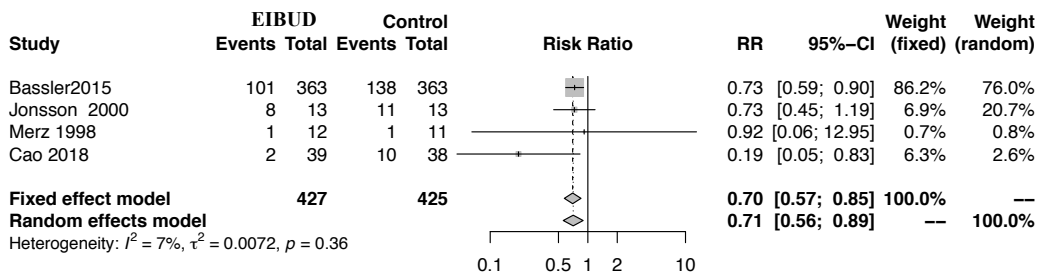
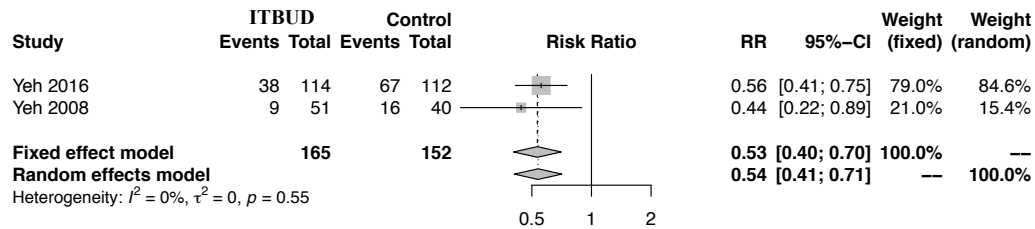
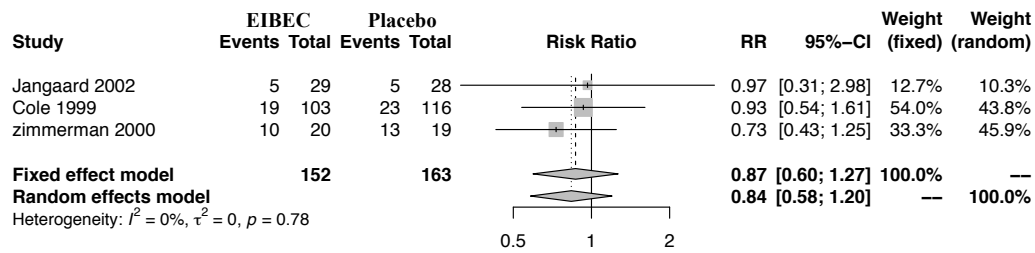
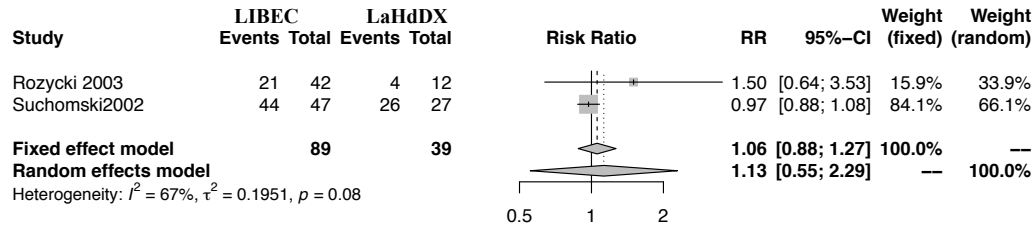
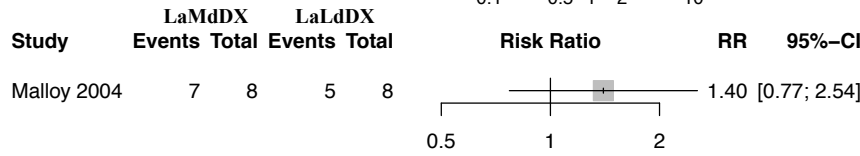
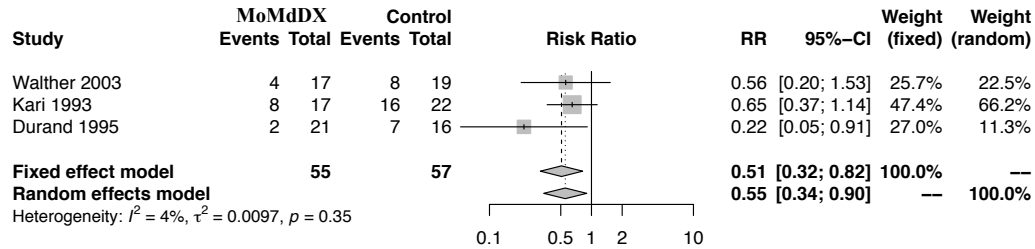
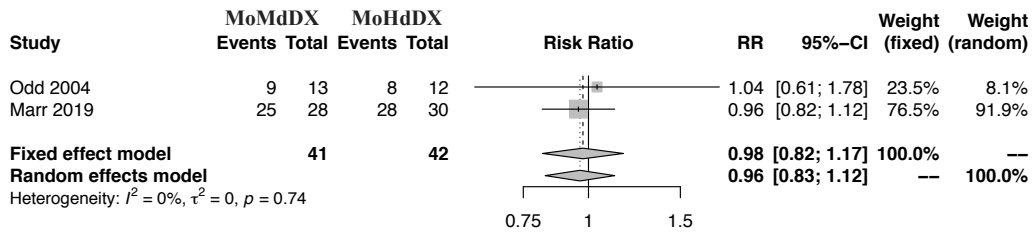
eFigure 6. Network Plot for BPD at 36 Weeks' PMA (A), SUCRA Plot with SUCRA Values (%) for BPD at 36 Weeks' PMA (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for BPD at 36 Weeks' PMA (C)

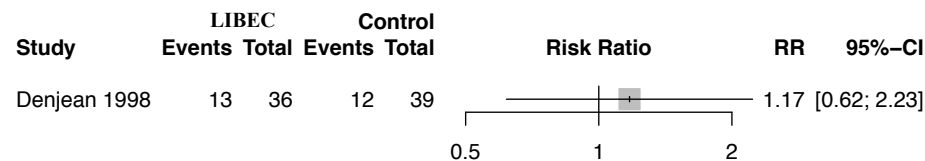
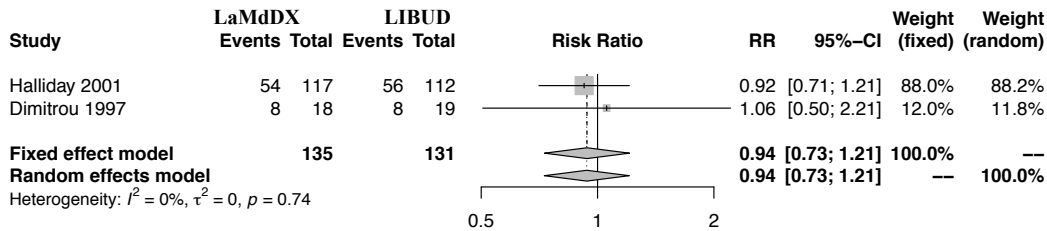
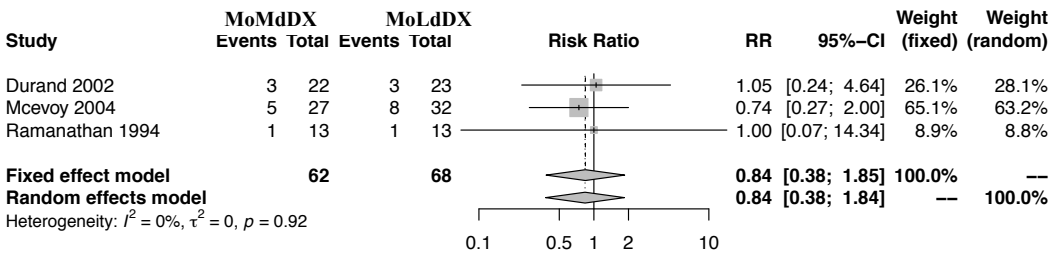
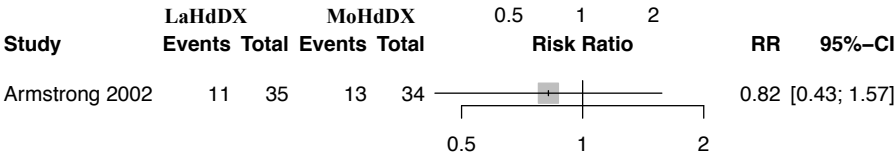
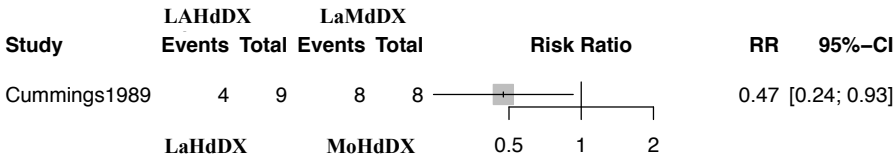
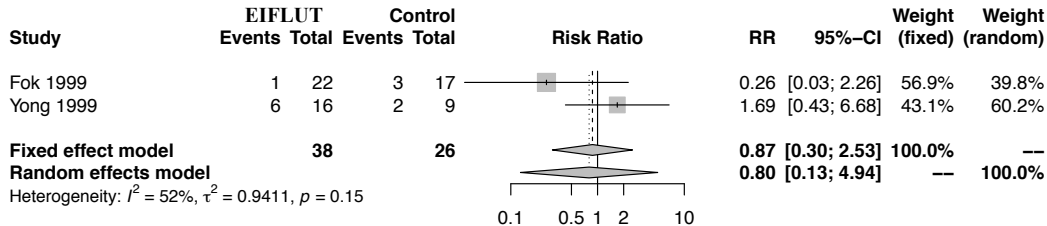
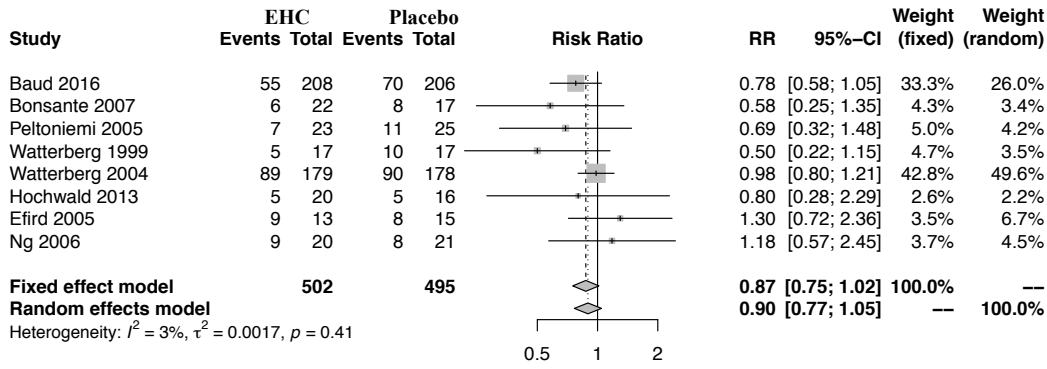


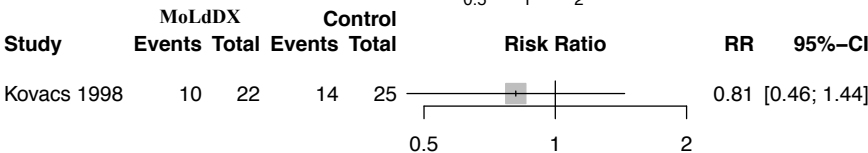
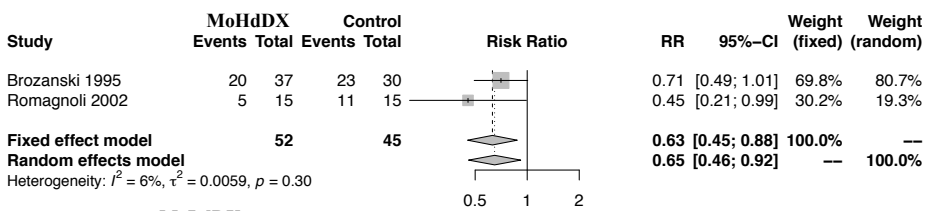
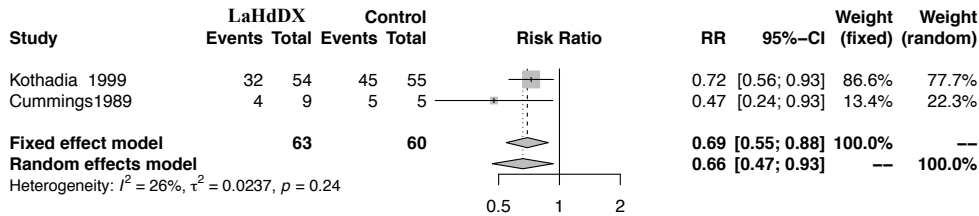
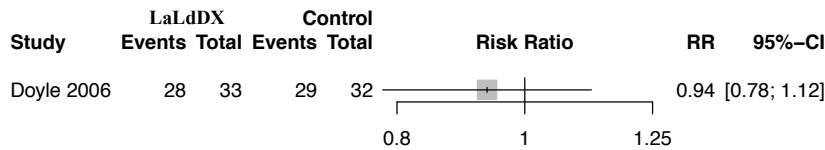
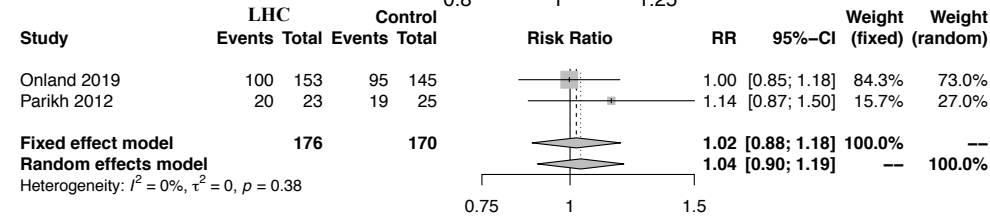
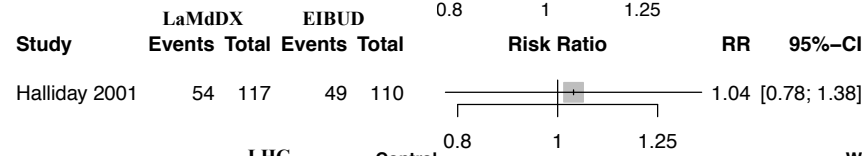
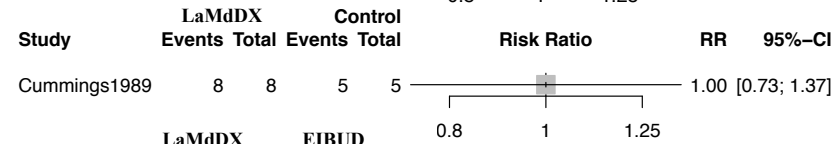
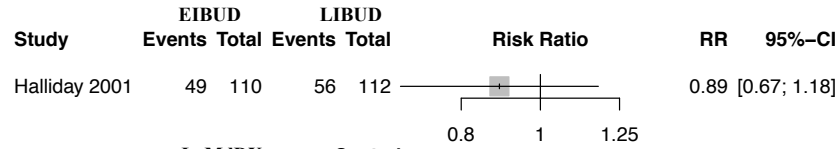
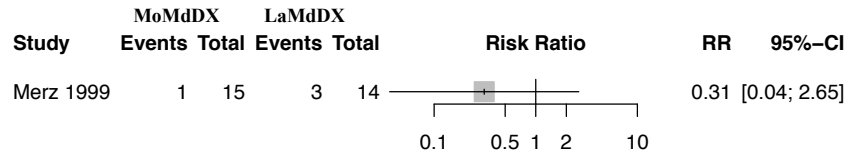
eFigure 7. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for BPD at 36 Weeks' PMA

	Treatment														
	ITBUD	MoMdDX	MoHdDX	EIBUD	LaHdDX	LIBEC	EIFLUT	MoLdDX	EIBEC	LIBUD	LaMdDX	EHC	LaLdDX	PLACEBO	LHC
ITBUD		1.11 (0.70, 1.68)	1.20 (0.77, 1.80)	1.41 (0.93, 2.06)	1.42 (0.91, 2.14)	1.50 (0.93, 2.37)	1.68 (0.54, 4.22)	1.57 (0.85, 2.72)	1.57 (0.93, 2.51)	1.67 (0.97, 2.69)	**1.67** (1.01, 2.64)	**1.66** (1.13, 2.37)	**1.72** (1.10, 2.57)	**1.93** (1.38, 2.67)	**2.01** (1.35, 2.95)
MoMdDX	0.94 (0.60, 1.43)		1.09 (0.88, 1.37)	1.30 (0.89, 1.84)	1.30 (0.88, 1.88)	1.37 (0.89, 2.11)	1.54 (0.49, 3.71)	1.43 (0.83, 2.29)	1.45 (0.87, 2.29)	1.54 (0.93, 2.41)	1.54 (0.96, 2.37)	**1.53** (1.08, 2.13)	**1.58** (1.05, 2.30)	**1.77** (1.32, 2.38)	**1.85** (1.29, 2.65)
MoHdDX	0.87 (0.56, 1.29)	0.93 (0.73, 1.13)		1.19 (0.83, 1.66)	1.20 (0.84, 1.68)	1.26 (0.85, 1.88)	1.41 (0.47, 3.33)	1.32 (0.76, 2.15)	1.33 (0.81, 2.07)	1.41 (0.86, 2.18)	1.41 (0.90, 2.14)	**1.41** (1.01, 1.92)	1.45 (0.97, 2.08)	**1.63** (1.25, 2.13)	**1.70** (1.21, 2.39)
EIBUD	0.74 (0.48, 1.07)	0.80 (0.54, 1.12)	0.86 (0.60, 1.21)		1.02 (0.71, 1.44)	1.08 (0.72, 1.62)	1.20 (0.40, 2.84)	1.13 (0.65, 1.89)	1.13 (0.71, 1.72)	1.19 (0.83, 1.65)	1.19 (0.87, 1.62)	1.20 (0.89, 1.59)	1.23 (0.87, 1.69)	**1.39** (1.11, 1.76)	**1.45** (1.07, 1.98)
LaHdDX	0.74 (0.47, 1.09)	0.80 (0.53, 1.13)	0.86 (0.60, 1.20)	1.01 (0.70, 1.41)		1.05 (0.86, 1.36)	1.20 (0.39, 2.91)	1.13 (0.62, 1.90)	1.13 (0.69, 1.75)	1.20 (0.73, 1.85)	1.20 (0.75, 1.81)	1.19 (0.85, 1.64)	1.23 (0.82, 1.76)	**1.38** (1.05, 1.82)	**1.44** (1.02, 2.01)
LIBEC	0.71 (0.42, 1.08)	0.76 (0.47, 1.12)	0.83 (0.53, 1.18)	0.97 (0.62, 1.38)	0.96 (0.73, 1.16)		1.15 (0.37, 2.77)	1.08 (0.57, 1.85)	1.08 (0.62, 1.70)	1.15 (0.66, 1.80)	1.15 (0.68, 1.75)	1.14 (0.75, 1.61)	1.18 (0.73, 1.71)	1.33 (0.93, 1.79)	1.38 (0.91, 1.96)
EIFLUT	0.78 (0.24, 1.84)	0.84 (0.27, 2.03)	0.91 (0.30, 2.15)	1.06 (0.35, 2.48)	1.07 (0.34, 2.54)	1.13 (0.36, 2.72)		1.19 (0.34, 2.89)	1.19 (0.36, 2.83)	1.26 (0.40, 3.06)	1.26 (0.41, 3.00)	1.26 (0.41, 2.91)	1.30 (0.42, 3.07)	1.45 (0.48, 3.33)	1.52 (0.50, 3.54)
MoLdDX	0.69 (0.37, 1.18)	0.75 (0.44, 1.21)	0.81 (0.47, 1.32)	0.95 (0.53, 1.54)	0.96 (0.53, 1.61)	1.01 (0.54, 1.75)	1.13 (0.35, 2.92)		1.06 (0.54, 1.85)	1.13 (0.58, 1.97)	1.13 (0.59, 1.95)	1.12 (0.65, 1.84)	1.16 (0.64, 1.94)	1.30 (0.77, 2.07)	1.36 (0.77, 2.22)
EIBEC	0.68 (0.40, 1.08)	0.74 (0.44, 1.15)	0.80 (0.48, 1.24)	0.93 (0.58, 1.42)	0.94 (0.57, 1.45)	0.99 (0.59, 1.60)	1.11 (0.35, 2.80)	1.04 (0.54, 1.84)		1.10 (0.63, 1.82)	1.10 (0.64, 1.78)	1.10 (0.70, 1.65)	1.14 (0.69, 1.76)	1.27 (0.86, 1.84)	1.33 (0.85, 2.02)
LIBUD	0.64 (0.37, 1.03)	0.69 (0.41, 1.08)	0.75 (0.46, 1.16)	0.87 (0.61, 1.20)	0.88 (0.54, 1.37)	0.93 (0.56, 1.52)	1.04 (0.33, 2.48)	0.98 (0.51, 1.72)	0.98 (0.55, 1.60)		1.01 (0.75, 1.37)	1.03 (0.66, 1.54)	1.06 (0.67, 1.61)	1.20 (0.80, 1.74)	1.25 (0.79, 1.89)
LaMdDX	**0.63** (0.38, 0.99)	0.69 (0.42, 1.04)	0.74 (0.47, 1.12)	0.86 (0.62, 1.15)	0.88 (0.55, 1.33)	0.92 (0.57, 1.46)	1.03 (0.33, 2.46)	0.97 (0.51, 1.69)	0.97 (0.56, 1.56)	1.01 (0.73, 1.34)		1.03 (0.67, 1.48)	1.05 (0.70, 1.54)	1.19 (0.83, 1.66)	1.24 (0.81, 1.83)
EHC	**0.62** (0.42, 0.89)	**0.67** (0.47, 0.93)	**0.73** (0.52, 0.99)	0.85 (0.63, 1.13)	0.86 (0.61, 1.18)	0.91 (0.62, 1.33)	1.01 (0.34, 2.44)	0.95 (0.54, 1.55)	0.95 (0.60, 1.42)	1.01 (0.65, 1.53)	1.01 (0.68, 1.49)		1.04 (0.74, 1.42)	1.17 (0.98, 1.41)	1.22 (0.93, 1.61)
LaLdDX	**0.61** (0.39, 0.91)	**0.66** (0.43, 0.95)	0.71 (0.48, 1.03)	0.83 (0.59, 1.15)	0.84 (0.57, 1.23)	0.89 (0.58, 1.37)	0.99 (0.33, 2.38)	0.93 (0.52, 1.57)	0.93 (0.57, 1.44)	0.99 (0.62, 1.48)	0.99 (0.65, 1.43)	0.99 (0.70, 1.35)		1.14 (0.87, 1.51)	1.19 (0.85, 1.69)
PLACEBO	**0.53** (0.37, 0.72)	**0.58** (0.42, 0.76)	**0.62** (0.47, 0.80)	**0.73** (0.57, 0.90)	**0.74** (0.55, 0.95)	0.78 (0.56, 1.08)	0.87 (0.30, 2.07)	0.82 (0.48, 1.29)	0.82 (0.54, 1.16)	0.87 (0.58, 1.24)	0.87 (0.60, 1.21)	0.86 (0.71, 1.02)	0.89 (0.66, 1.14)		1.04 (0.85, 1.28)
LHC	**0.52** (0.34, 0.74)	**0.56** (0.38, 0.78)	**0.61** (0.42, 0.83)	**0.71** (0.51, 0.94)	**0.71** (0.50, 0.98)	0.75 (0.51, 1.10)	0.84 (0.28, 2.02)	0.79 (0.45, 1.29)	0.79 (0.50, 1.18)	0.84 (0.53, 1.26)	0.84 (0.55, 1.23)	0.84 (0.62, 1.08)	0.86 (0.59, 1.18)	0.97 (0.78, 1.18)	

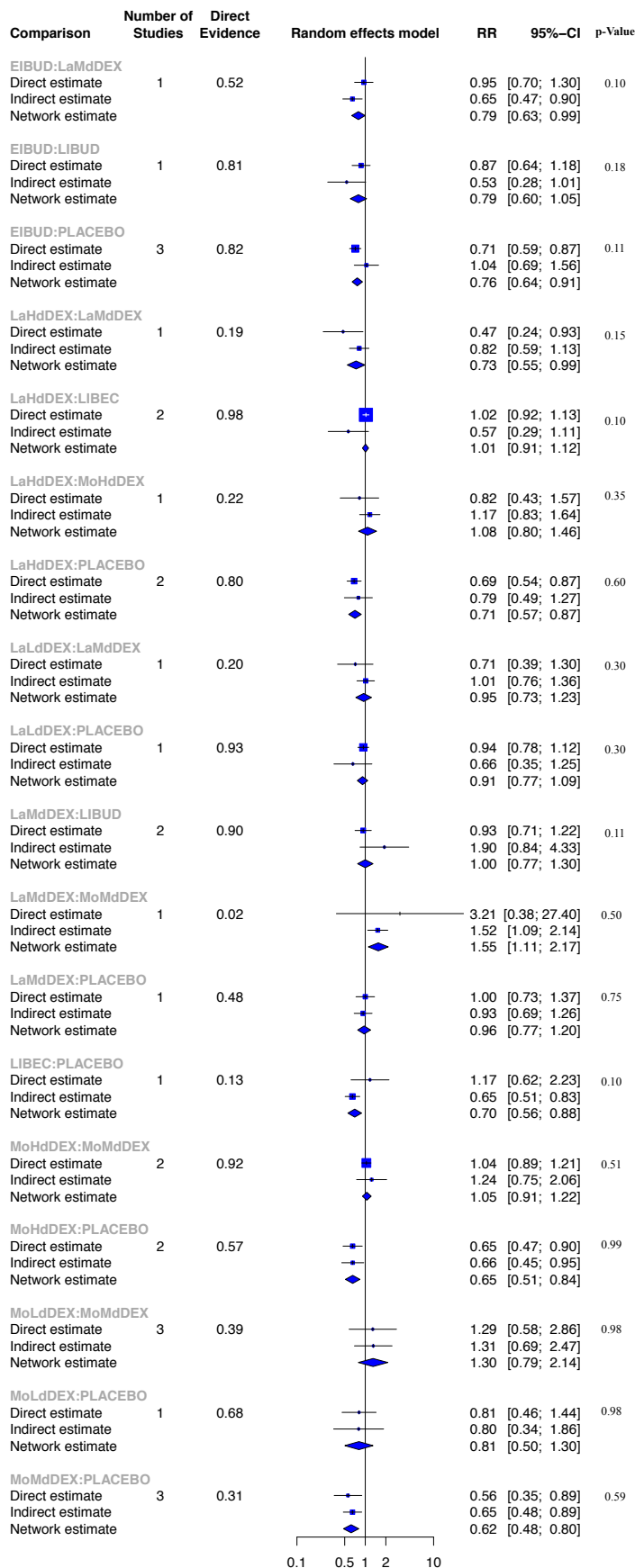
eFigure 8. Direct Evidence from the Pair Wise Comparisons for BPD at 36 Weeks' PMA





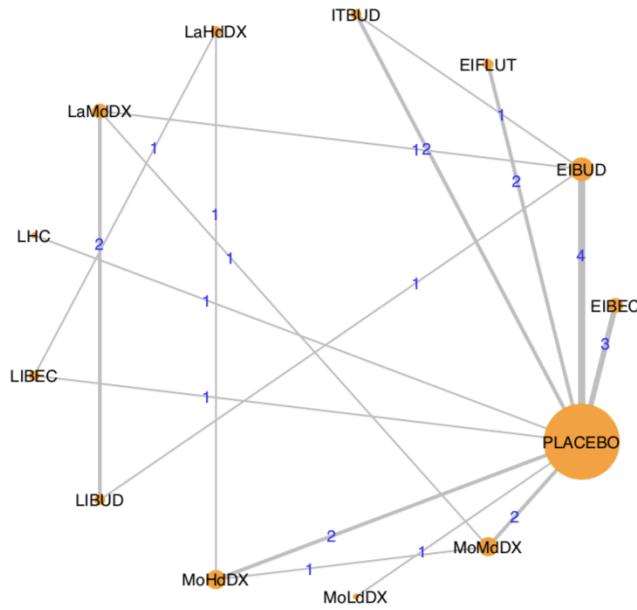


eFigure 9. Split Between Direct and Indirect Evidence for BPD at 36 Weeks' PMA

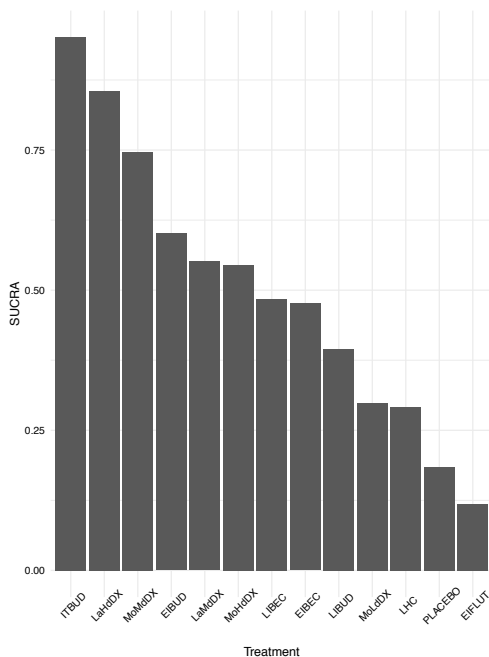


eFigure 10. Network Plot for BPD at 28 Days (A), SUCRA Plot with SUCRA Values (%) for BPD at 28 Days (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for BPD at 28 Days (C)

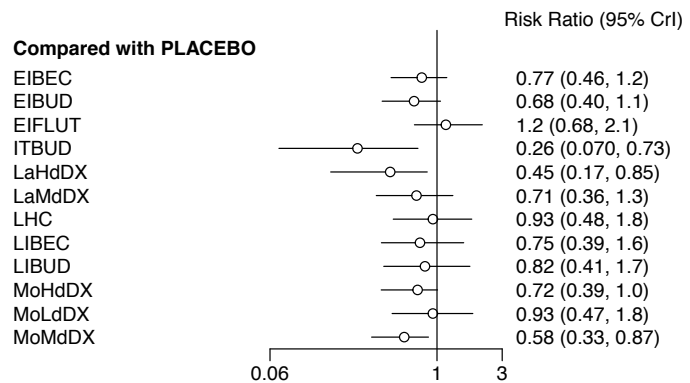
A. Network Plot



B. SUCRA plot



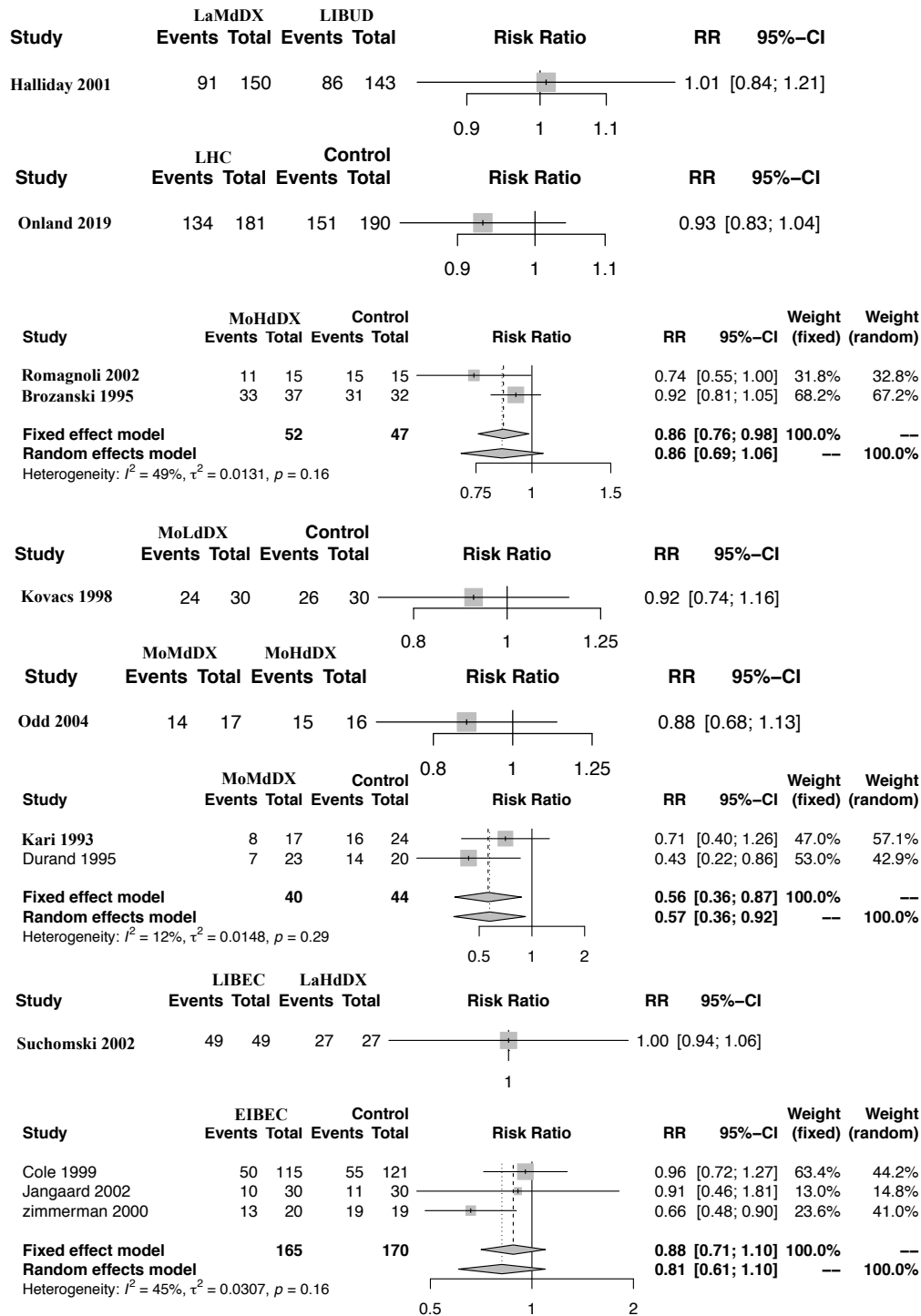
C. Forest plot with “Placebo” as the comparator

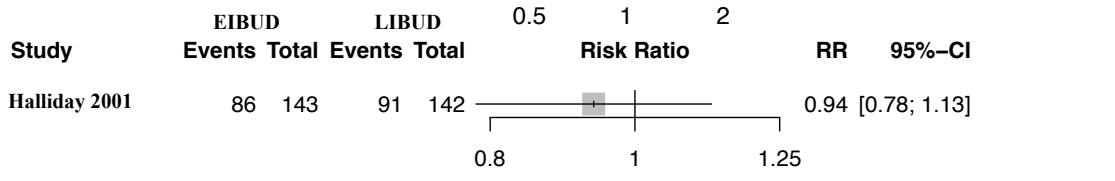
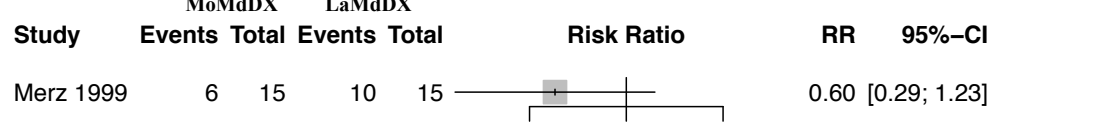
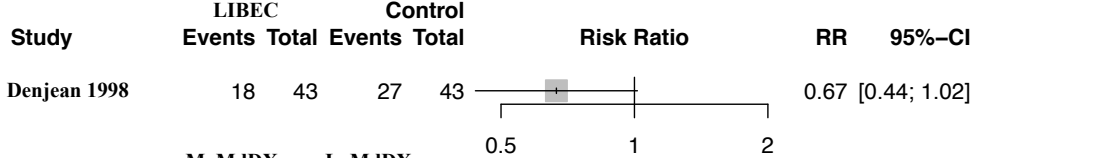
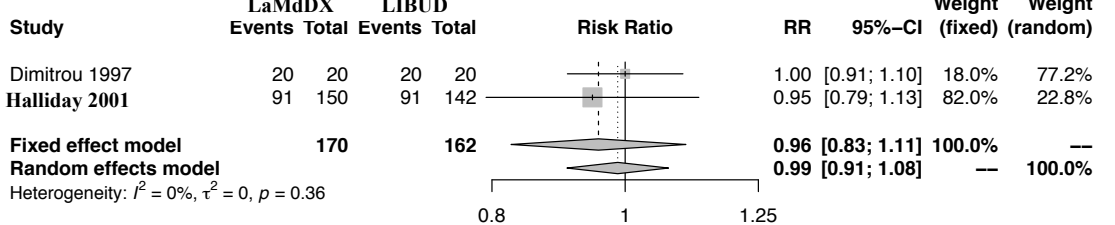
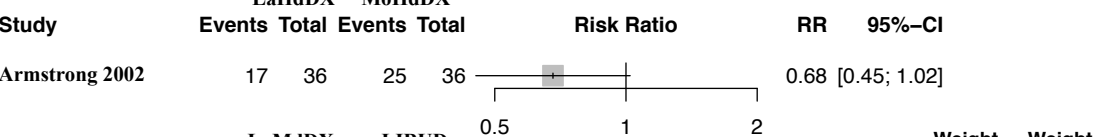
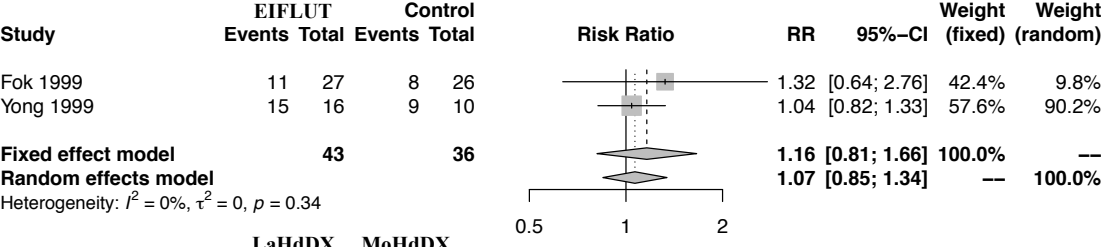
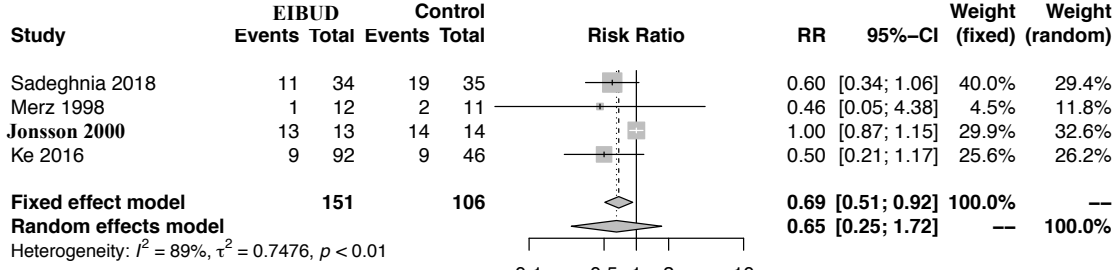
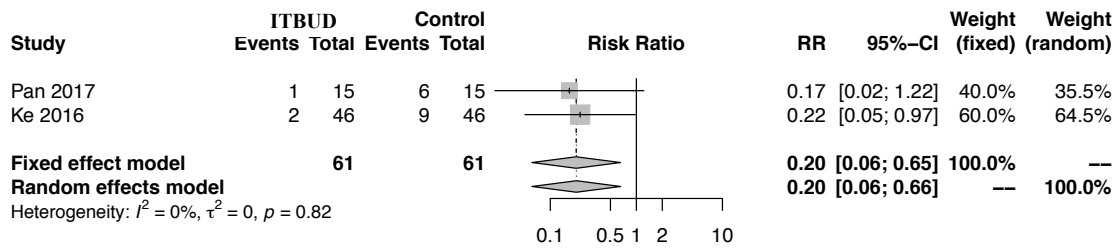


eFigure 11. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for BPD at 28 Days

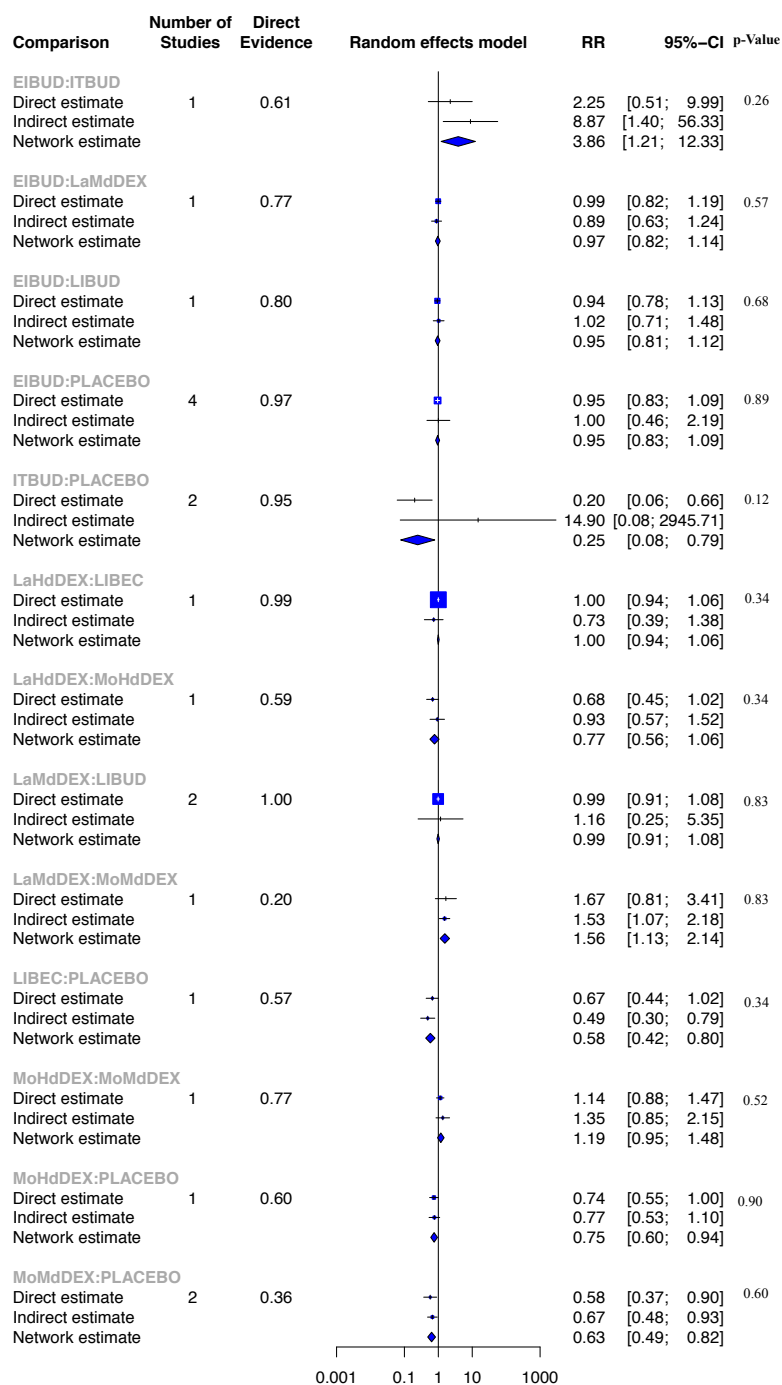
EIBEC	0.88 (0.45, 1.7)	1.51 (0.77, 3.42)	0.34 (0.09, 1.05)	0.59 (0.2, 1.28)	0.92 (0.42, 2.05)	1.21 (0.56, 2.8)	0.98 (0.46, 2.44)	1.06 (0.48, 2.75)	0.93 (0.44, 1.64)	1.2 (0.55, 2.86)	0.75 (0.37, 1.39)	1.29 (0.85, 2.17)
1.13 (0.59, 2.24)	EIBUD	1.71 (0.87, 3.93)	0.39 (0.1, 1.15)	0.67 (0.23, 1.48)	1.04 (0.61, 1.82)	1.37 (0.63, 3.23)	1.11 (0.52, 2.8)	1.19 (0.71, 2.44)	1.05 (0.52, 1.89)	1.37 (0.62, 3.32)	0.85 (0.44, 1.53)	1.47 (0.94, 2.52)
0.66 (0.29, 1.3)	0.58 (0.25, 1.15)	EIFLUT	0.22 (0.05, 0.72)	0.39 (0.12, 0.86)	0.61 (0.24, 1.35)	0.8 (0.32, 1.82)	0.64 (0.27, 1.61)	0.7 (0.28, 1.76)	0.62 (0.25, 1.12)	0.8 (0.32, 1.87)	0.49 (0.21, 0.94)	0.86 (0.47, 1.46)
2.93 (0.95, 11.76)	2.58 (0.87, 9.86)	4.5 (1.39, 19.55)	ITBUD	1.7 (0.43, 7.33)	2.71 (0.84, 11.2)	3.57 (1.09, 15.14)	2.9 (0.88, 13.02)	3.14 (0.97, 13.75)	2.69 (0.85, 10.47)	3.56 (1.07, 15.51)	2.18 (0.7, 8.65)	3.82 (1.38, 14.33)
1.69 (0.78, 4.96)	1.5 (0.68, 4.27)	2.57 (1.16, 8.65)	0.59 (0.14, 2.32)	LaHdDX	1.56 (0.66, 4.87)	2.03 (0.87, 6.94)	1.62 (0.86, 5.55)	1.79 (0.75, 6.5)	1.58 (0.84, 3.37)	2.04 (0.85, 7.23)	1.27 (0.6, 3.29)	2.2 (1.18, 6)
1.09 (0.49, 2.37)	0.96 (0.55, 1.64)	1.65 (0.74, 4.19)	0.37 (0.09, 1.2)	0.64 (0.21, 1.52)	LaMdDX	1.31 (0.54, 3.4)	1.06 (0.45, 2.98)	1.14 (0.74, 2.18)	1.01 (0.44, 1.97)	1.31 (0.53, 3.46)	0.82 (0.4, 1.54)	1.41 (0.77, 2.78)
0.83 (0.36, 1.78)	0.73 (0.31, 1.58)	1.24 (0.55, 3.12)	0.28 (0.07, 0.92)	0.49 (0.14, 1.15)	0.76 (0.29, 1.85)	LHC	0.81 (0.33, 2.19)	0.88 (0.34, 2.45)	0.78 (0.3, 1.51)	1 (0.39, 2.6)	0.62 (0.25, 1.28)	1.07 (0.56, 2.09)
1.02 (0.41, 2.19)	0.9 (0.36, 1.94)	1.55 (0.62, 3.77)	0.35 (0.08, 1.14)	0.62 (0.18, 1.16)	0.94 (0.34, 2.23)	1.24 (0.46, 3.05)	LIBEC	1.08 (0.4, 2.89)	0.96 (0.36, 1.8)	1.24 (0.45, 3.11)	0.77 (0.29, 1.57)	1.33 (0.64, 2.55)
0.95 (0.36, 2.1)	0.84 (0.41, 1.41)	1.42 (0.57, 3.58)	0.32 (0.07, 1.03)	0.56 (0.15, 1.33)	0.88 (0.46, 1.35)	1.14 (0.41, 2.92)	0.92 (0.35, 2.51)	LIBUD	0.88 (0.32, 1.77)	1.14 (0.4, 2.97)	0.71 (0.29, 1.4)	1.22 (0.57, 2.45)
1.07 (0.61, 2.25)	0.95 (0.53, 1.94)	1.62 (0.9, 4.02)	0.37 (0.1, 1.17)	0.63 (0.3, 1.19)	0.99 (0.51, 2.3)	1.28 (0.66, 3.36)	1.04 (0.56, 2.81)	1.14 (0.56, 3.13)	MoHdDX	1.28 (0.64, 3.37)	0.81 (0.49, 1.43)	1.39 (0.99, 2.56)
0.83 (0.35, 1.82)	0.73 (0.3, 1.61)	1.25 (0.53, 3.17)	0.28 (0.06, 0.93)	0.49 (0.14, 1.17)	0.76 (0.29, 1.89)	1 (0.39, 2.56)	0.81 (0.32, 2.2)	0.88 (0.34, 2.47)	0.78 (0.3, 1.56)	MoLdDX	0.62 (0.25, 1.31)	1.07 (0.55, 2.13)
1.34 (0.72, 2.69)	1.18 (0.65, 2.25)	2.02 (1.06, 4.74)	0.46 (0.12, 1.43)	0.79 (0.3, 1.67)	1.23 (0.65, 2.5)	1.61 (0.78, 3.97)	1.3 (0.64, 3.39)	1.42 (0.72, 3.48)	1.24 (0.7, 2.03)	1.61 (0.76, 4.01)	MoMdDX	1.74 (1.15, 3.01)
0.77 (0.46, 1.18)	0.68 (0.4, 1.06)	1.16 (0.68, 2.14)	0.26 (0.07, 0.73)	0.45 (0.17, 0.85)	0.71 (0.36, 1.31)	0.93 (0.48, 1.8)	0.75 (0.39, 1.57)	0.82 (0.41, 1.74)	0.72 (0.39, 1.01)	0.93 (0.47, 1.83)	0.58 (0.33, 0.87)	PLACEBO

eFigure 12. Direct Evidence from the Pair Wise Comparisons for BPD at 28 Days

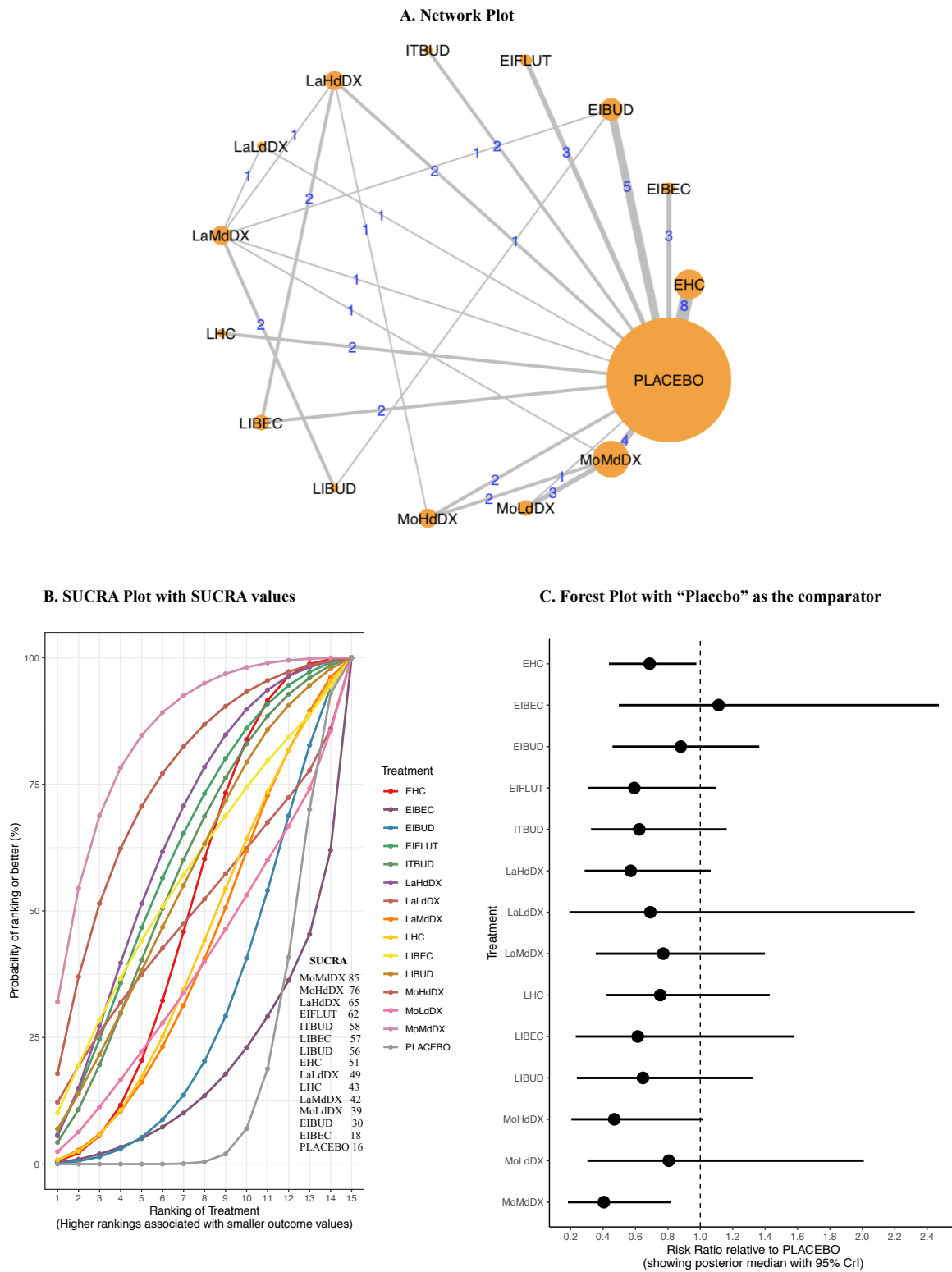




eFigure 13. Split Between Direct and Indirect Evidence for BPD at 28 Days



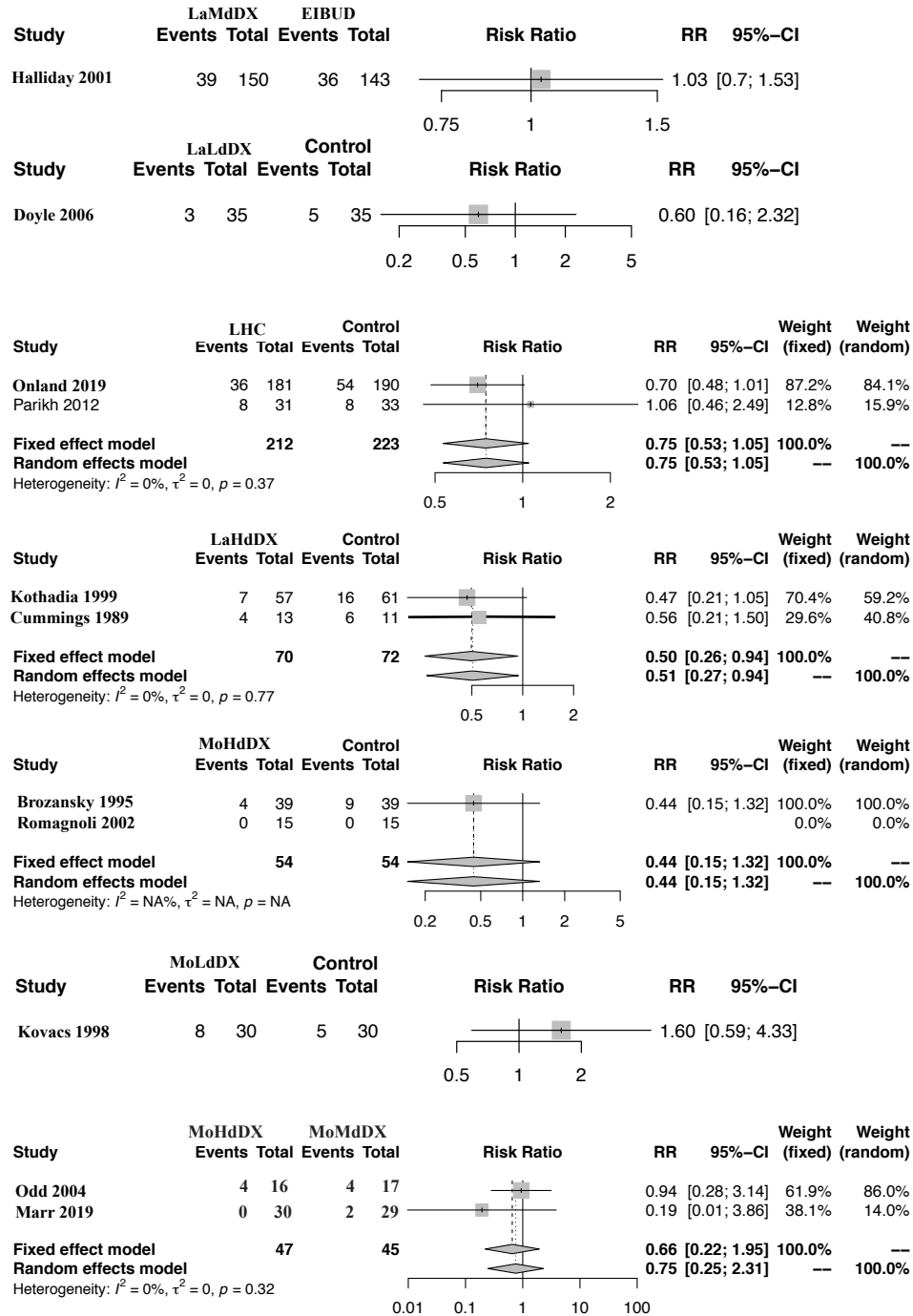
eFigure 14. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot (C) Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Mortality (C)

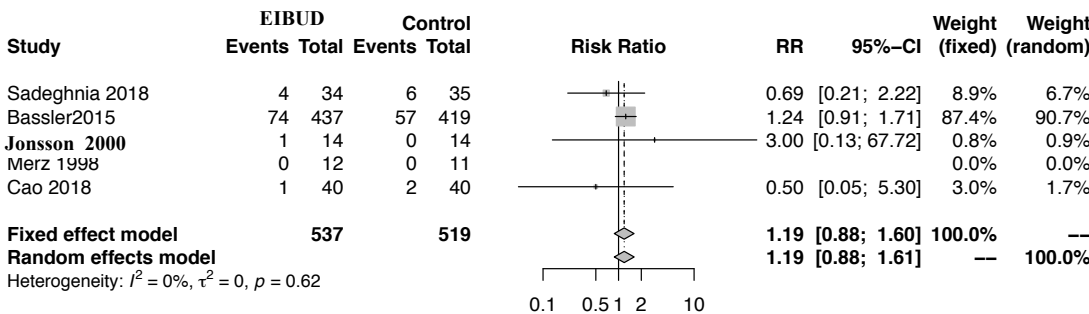
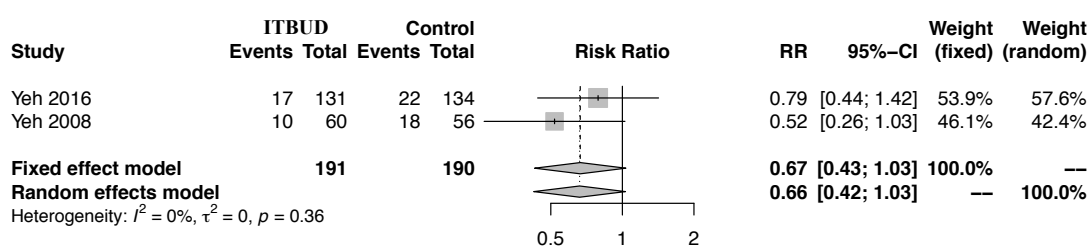
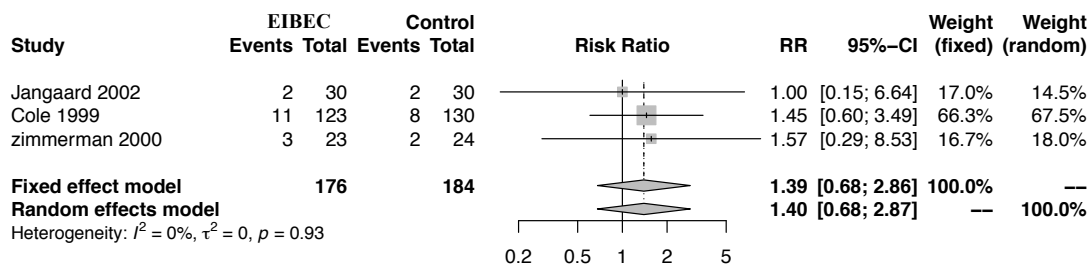
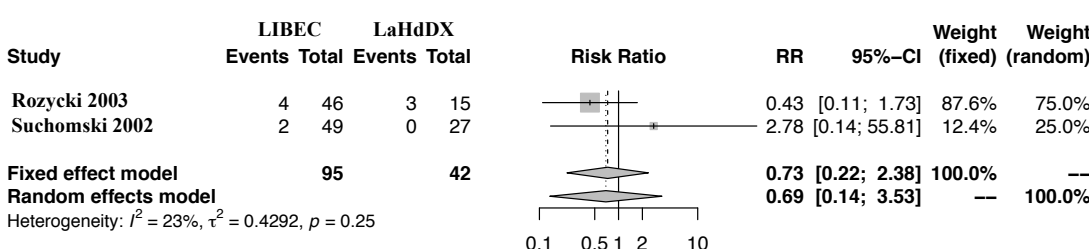
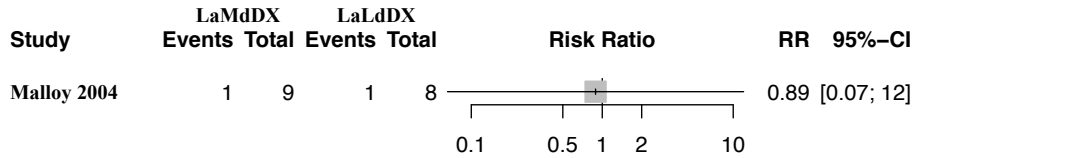
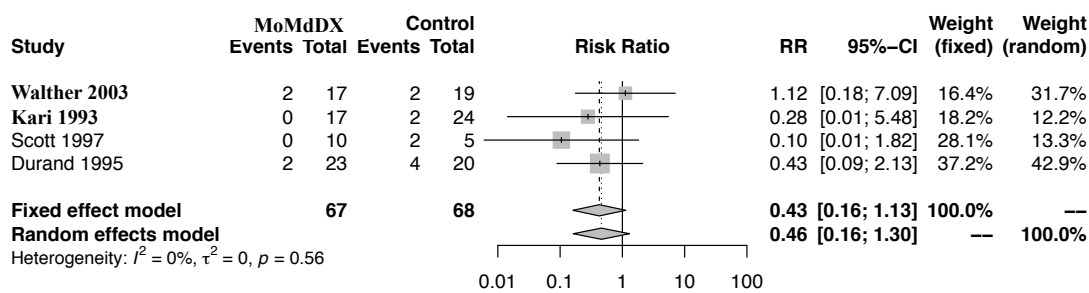


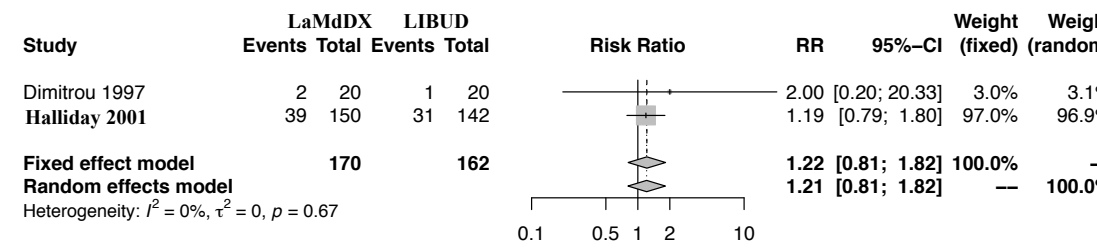
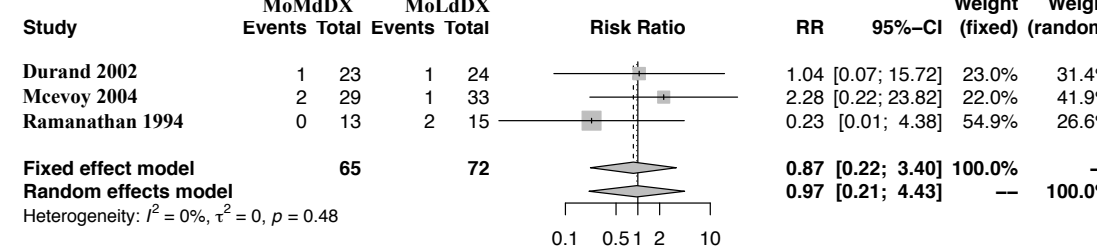
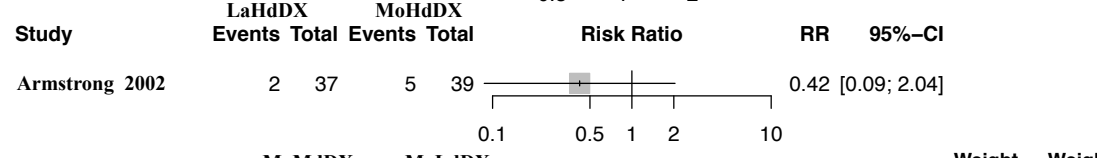
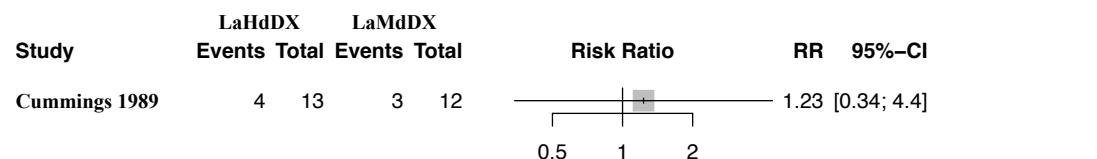
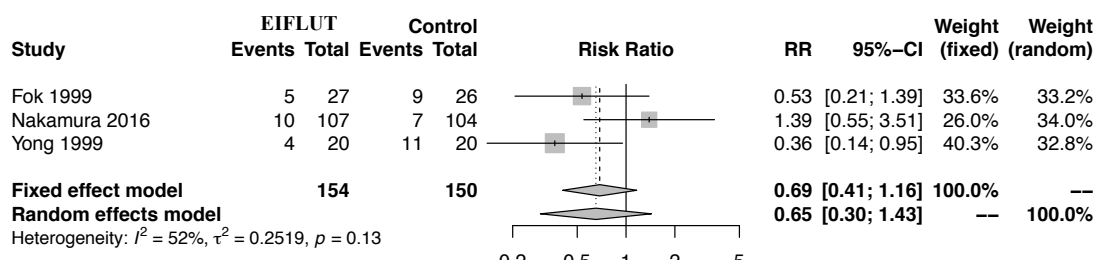
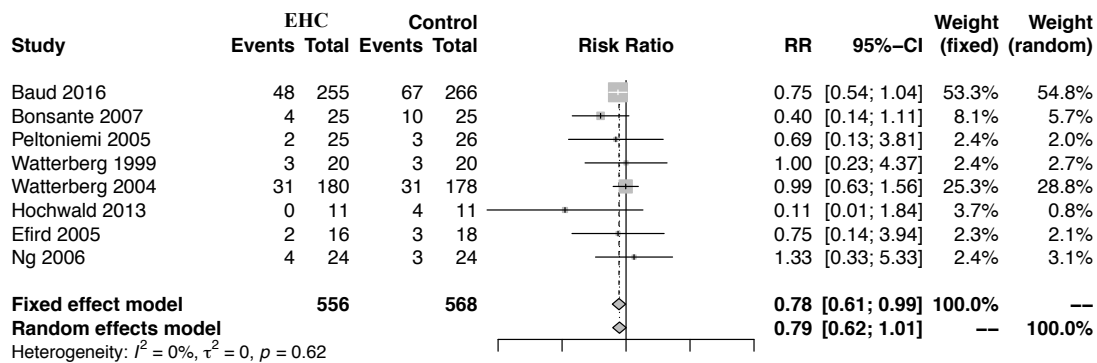
eFigure 15. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Mortality

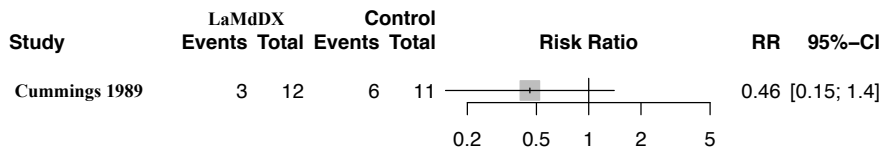
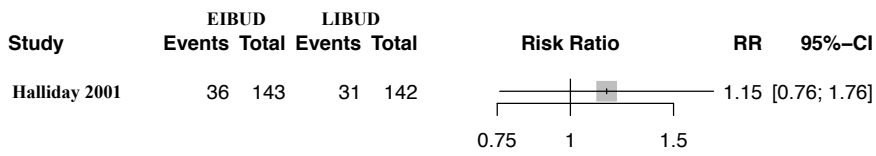
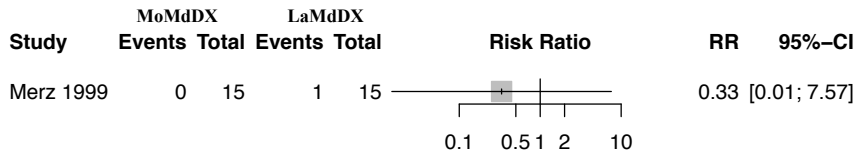
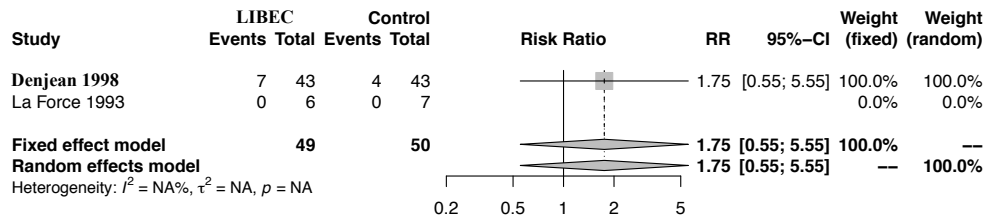
Comparator	Treatment														
	MoMdDX	MoHdDX	LaHdDX	EIFLUT	ITBUD	LIBEC	LIBUD	EHC	LaLdDX	LHC	LaMdDX	MoLdDX	EIBUD	EIBEC	PLACEBO
MoMdDX		1.28 (0.50, 2.79)	1.59 (0.55, 3.71)	1.67 (0.56, 4.02)	1.76 (0.59, 4.27)	1.85 (0.47, 5.13)	1.81 (0.50, 4.44)	1.86 (0.74, 3.95)	2.25 (0.41, 7.21)	2.15 (0.76, 5.24)	2.12 (0.71, 4.84)	2.26 (0.75, 5.39)	2.36 (0.86, 5.15)	3.26 (0.94, 8.40)	**2.69** (1.22, 5.45)
MoHdDX	0.94 (0.36, 2.00)		1.35 (0.49, 3.05)	1.45 (0.46, 3.60)	1.53 (0.48, 3.77)	1.59 (0.40, 4.41)	1.57 (0.40, 3.97)	1.61 (0.60, 3.54)	1.96 (0.34, 6.41)	1.86 (0.63, 4.62)	1.84 (0.56, 4.34)	2.03 (0.54, 5.39)	2.06 (0.69, 4.60)	2.82 (0.78, 7.41)	2.34 (0.99, 4.90)
LaHdDX	0.80 (0.27, 1.82)	0.92 (0.33, 2.04)		1.16 (0.42, 2.62)	1.23 (0.44, 2.77)	1.23 (0.41, 2.95)	1.26 (0.37, 2.91)	1.29 (0.56, 2.57)	1.56 (0.30, 4.81)	1.49 (0.57, 3.41)	1.47 (0.53, 3.10)	1.66 (0.46, 4.29)	1.65 (0.64, 3.35)	2.27 (0.70, 5.58)	1.87 (0.94, 3.49)
EIFLUT	0.77 (0.25, 1.77)	0.90 (0.28, 2.18)	1.07 (0.38, 2.37)		1.17 (0.43, 2.59)	1.23 (0.33, 3.26)	1.21 (0.33, 2.82)	1.23 (0.53, 2.39)	1.49 (0.28, 4.59)	1.42 (0.55, 3.16)	1.42 (0.47, 3.08)	1.60 (0.42, 4.12)	1.58 (0.59, 3.18)	2.16 (0.68, 5.25)	1.79 (0.91, 3.24)
ITBUD	0.73 (0.23, 1.69)	0.86 (0.27, 2.07)	1.01 (0.36, 2.26)	1.05 (0.39, 2.33)		1.17 (0.31, 3.09)	1.15 (0.32, 2.67)	1.17 (0.50, 2.26)	1.42 (0.27, 4.41)	1.35 (0.52, 3.04)	1.35 (0.45, 2.91)	1.51 (0.40, 3.93)	1.50 (0.56, 2.99)	2.05 (0.64, 5.01)	1.70 (0.86, 3.07)
LIBEC	0.79 (0.19, 2.14)	0.92 (0.23, 2.51)	1.04 (0.34, 2.44)	1.14 (0.31, 3.07)	1.20 (0.32, 3.23)		1.24 (0.28, 3.41)	1.27 (0.39, 3.08)	1.54 (0.23, 5.28)	1.47 (0.41, 3.99)	1.45 (0.39, 3.77)	1.63 (0.34, 4.81)	1.62 (0.46, 4.02)	2.23 (0.52, 6.46)	1.84 (0.63, 4.32)
LIBUD	0.75 (0.23, 2.02)	0.89 (0.25, 2.49)	1.05 (0.34, 2.74)	1.11 (0.35, 3.01)	1.17 (0.37, 3.17)	1.21 (0.29, 3.56)		1.22 (0.46, 2.92)	1.46 (0.27, 4.86)	1.43 (0.47, 4.00)	1.29 (0.62, 2.53)	1.57 (0.39, 4.54)	1.47 (0.68, 2.92)	2.15 (0.59, 6.18)	1.78 (0.76, 4.20)
EHC	0.65 (0.25, 1.36)	0.76 (0.28, 1.68)	0.90 (0.39, 1.80)	0.94 (0.42, 1.88)	0.99 (0.44, 2.00)	1.04 (0.32, 2.56)	1.02 (0.34, 2.16)		1.26 (0.27, 3.72)	1.20 (0.57, 2.49)	1.20 (0.49, 2.33)	1.34 (0.42, 3.22)	1.33 (0.63, 2.32)	1.82 (0.68, 4.11)	**1.51** (1.02, 2.29)
LaLdDX	0.76 (0.14, 2.47)	0.90 (0.16, 2.96)	1.06 (0.21, 3.35)	1.11 (0.22, 3.53)	1.17 (0.23, 3.74)	1.23 (0.19, 4.27)	1.18 (0.21, 3.74)	1.23 (0.27, 3.66)		1.43 (0.29, 4.54)	1.37 (0.29, 4.12)	1.59 (0.24, 5.57)	1.56 (0.33, 4.62)	2.16 (0.37, 7.28)	1.79 (0.43, 5.20)
LHC	0.59 (0.19, 1.32)	0.69 (0.22, 1.59)	0.82 (0.29, 1.75)	0.86 (0.32, 1.83)	0.90 (0.33, 1.93)	0.95 (0.25, 2.46)	0.94 (0.25, 2.11)	0.95 (0.40, 1.75)	1.15 (0.22, 3.50)		1.10 (0.36, 2.30)	1.23 (0.32, 3.10)	1.22 (0.44, 2.33)	1.67 (0.52, 3.91)	1.38 (0.70, 2.37)
LaMdDX	0.60 (0.21, 1.42)	0.71 (0.23, 1.77)	0.83 (0.32, 1.88)	0.88 (0.32, 2.12)	0.93 (0.34, 2.22)	0.97 (0.27, 2.58)	0.88 (0.40, 1.61)	0.97 (0.43, 2.02)	1.15 (0.24, 3.47)	1.14 (0.44, 2.78)		1.25 (0.35, 3.29)	1.19 (0.61, 2.09)	1.71 (0.54, 4.41)	1.42 (0.72, 2.82)
MoLdDX	0.57 (0.19, 1.33)	0.69 (0.19, 1.87)	0.84 (0.23, 2.20)	0.88 (0.24, 2.36)	0.92 (0.25, 2.48)	0.97 (0.21, 2.91)	0.94 (0.22, 2.59)	0.97 (0.31, 2.35)	1.18 (0.18, 4.11)	1.13 (0.32, 3.08)	1.11 (0.30, 2.87)		1.23 (0.37, 3.03)	1.71 (0.41, 4.90)	1.41 (0.50, 3.29)
EIBUD	0.52 (0.19, 1.16)	0.61 (0.22, 1.45)	0.72 (0.30, 1.57)	0.76 (0.31, 1.68)	0.80 (0.33, 1.79)	0.84 (0.25, 2.16)	0.78 (0.34, 1.47)	0.84 (0.43, 1.59)	1.01 (0.22, 3.07)	0.98 (0.43, 2.25)	0.92 (0.48, 1.64)	1.08 (0.33, 2.72)		1.48 (0.52, 3.61)	1.22 (0.73, 2.18)
EIBEC	0.42 (0.12, 1.06)	0.49 (0.13, 1.29)	0.58 (0.18, 1.43)	0.61 (0.19, 1.48)	0.64 (0.20, 1.56)	0.67 (0.15, 1.91)	0.66 (0.16, 1.68)	0.67 (0.24, 1.46)	0.82 (0.14, 2.69)	0.78 (0.26, 1.91)	0.78 (0.23, 1.86)	0.87 (0.20, 2.42)	0.86 (0.28, 1.93)		0.98 (0.40, 2.01)
PLACEBO	**0.43** (0.18, 0.82)	0.51 (0.20, 1.01)	0.60 (0.29, 1.06)	0.62 (0.31, 1.10)	0.65 (0.33, 1.16)	0.69 (0.23, 1.58)	0.68 (0.24, 1.32)	**0.69** (0.44, 0.98)	0.84 (0.19, 2.32)	0.80 (0.42, 1.43)	0.80 (0.35, 1.40)	0.89 (0.30, 2.01)	0.89 (0.46, 1.36)	1.21 (0.50, 2.47)	

eFigure 16. Direct Evidence from the Pair Wise Comparisons for Mortality

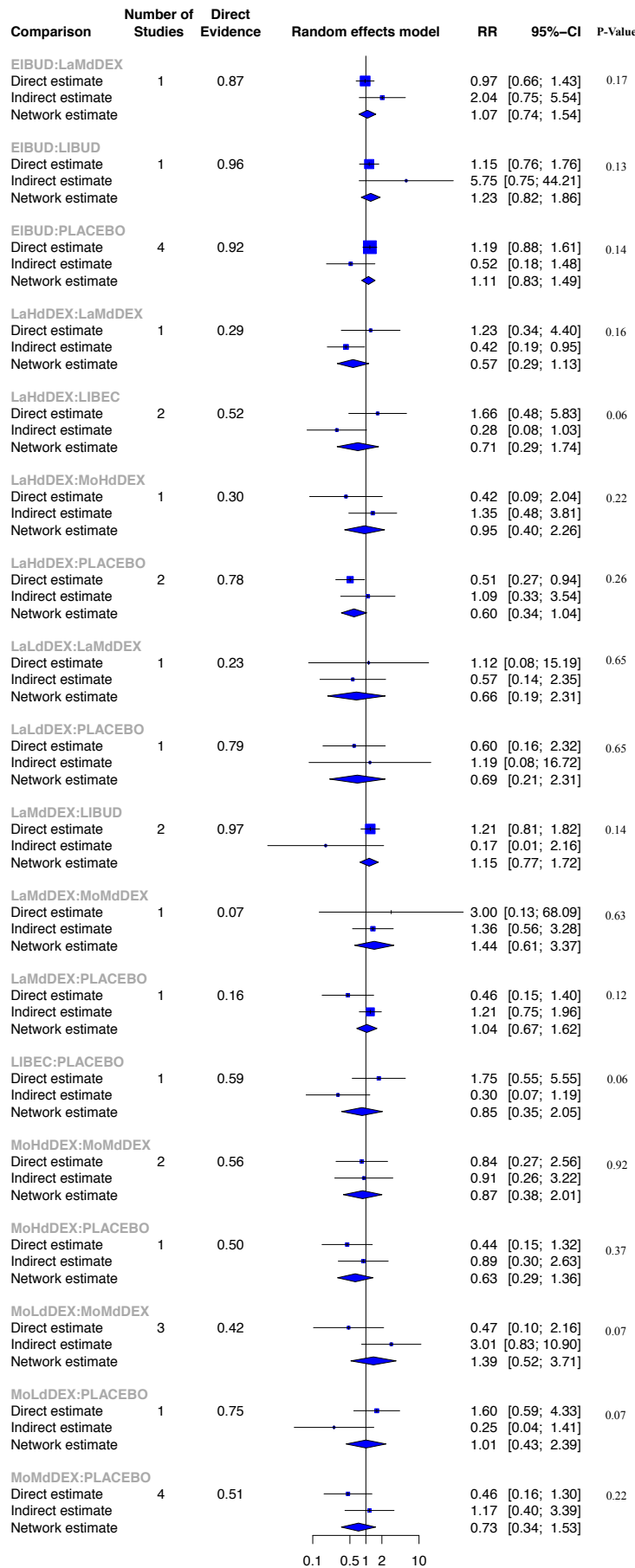




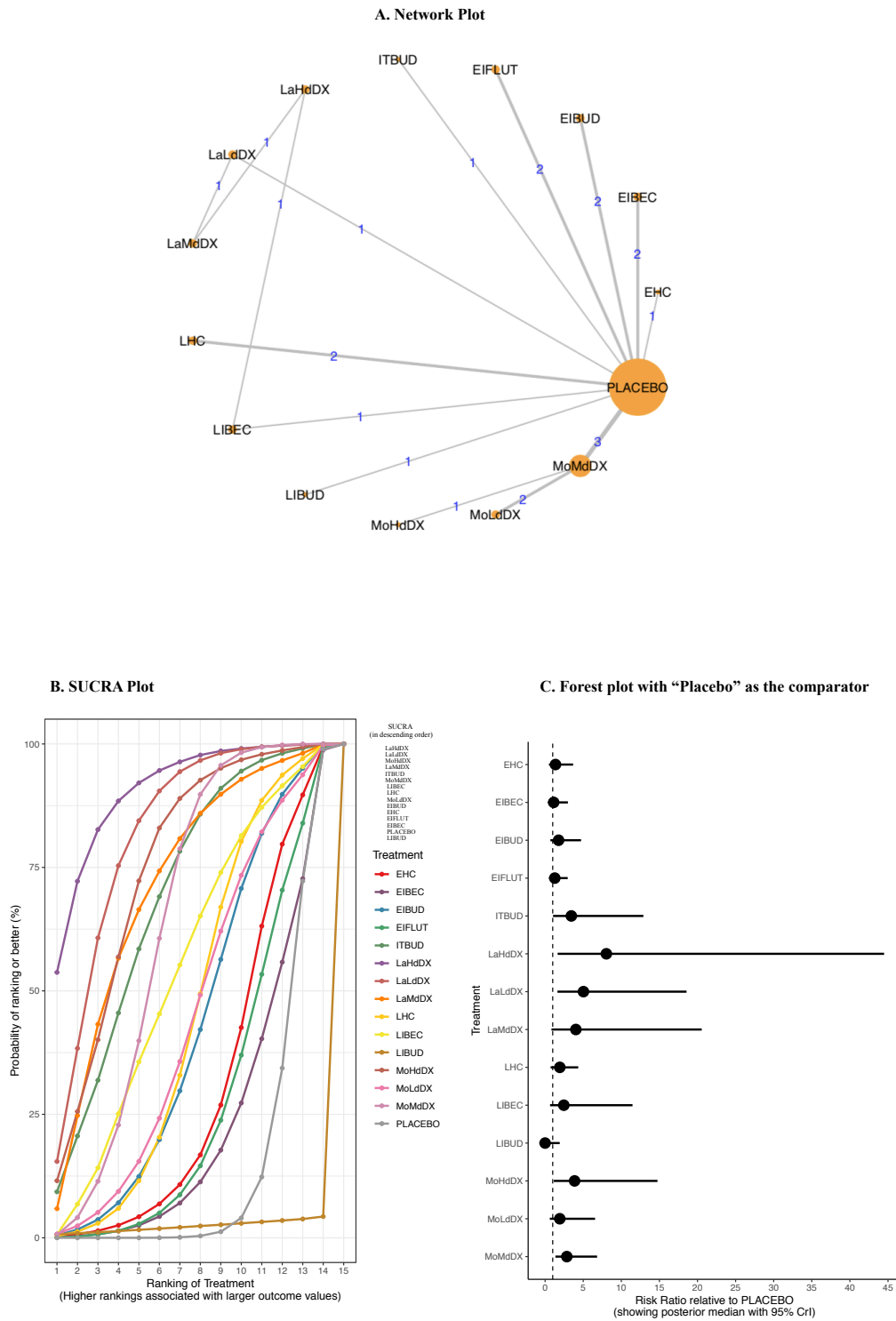




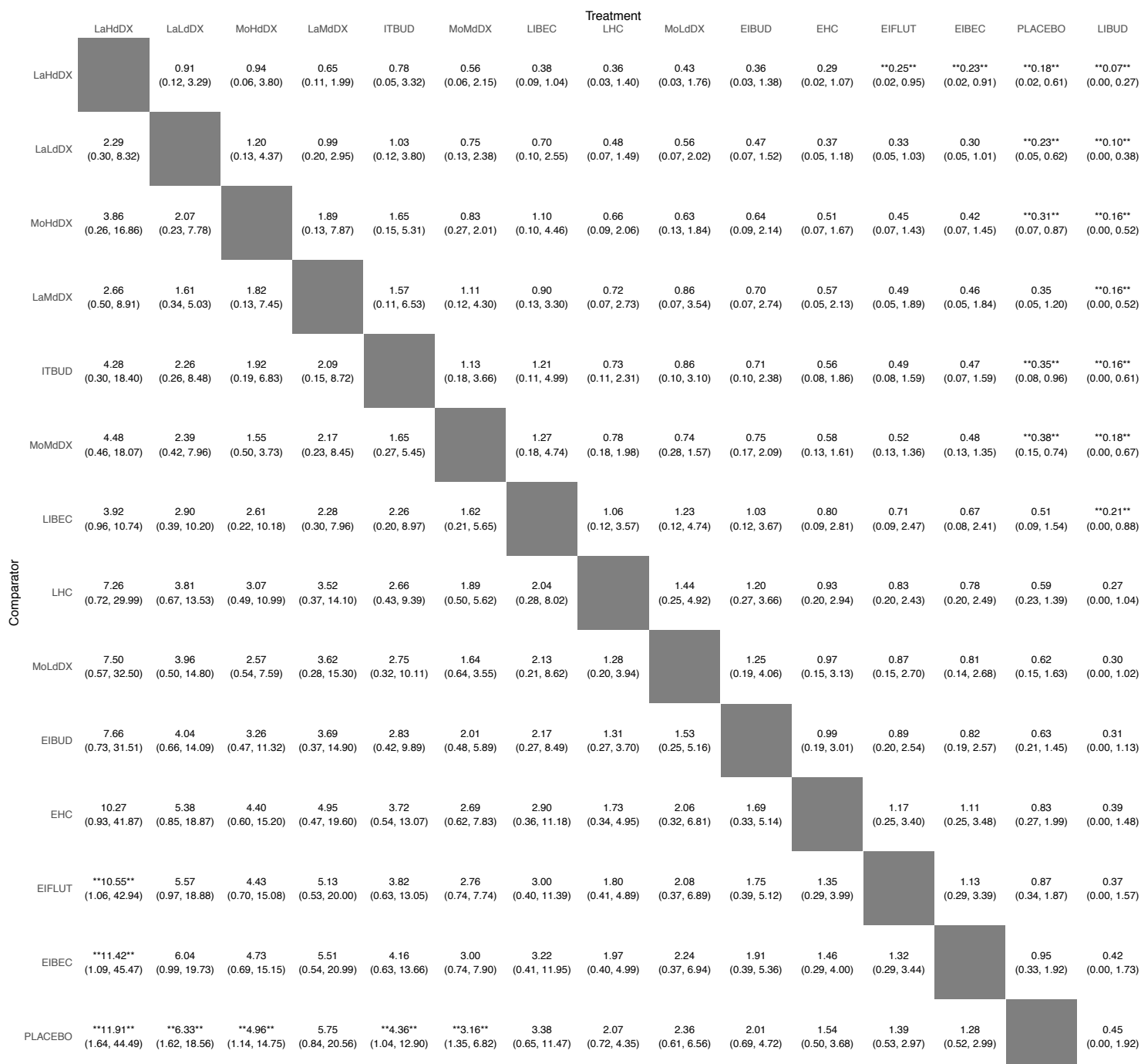
eFigure 17. Split Between Direct and Indirect Evidence for Mortality



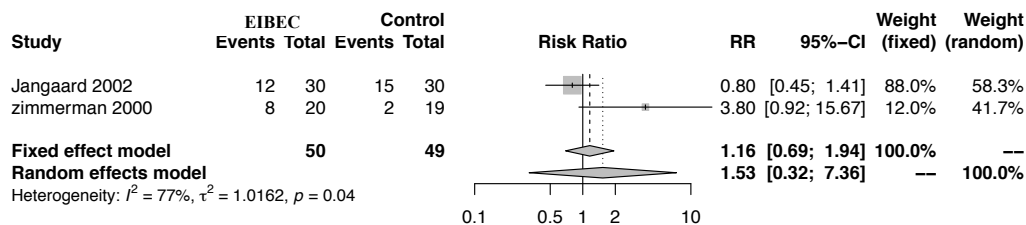
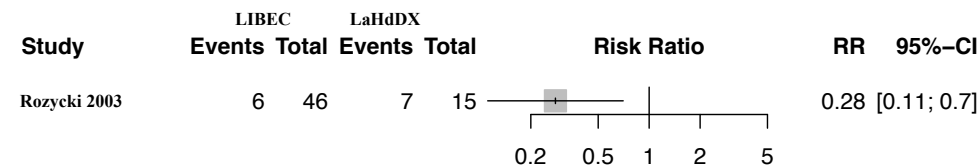
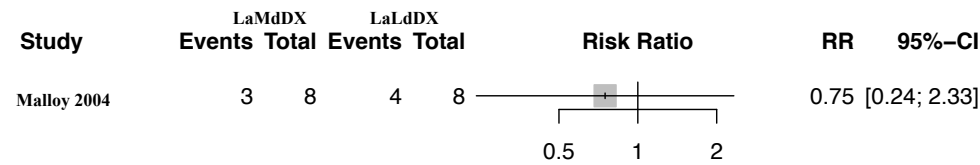
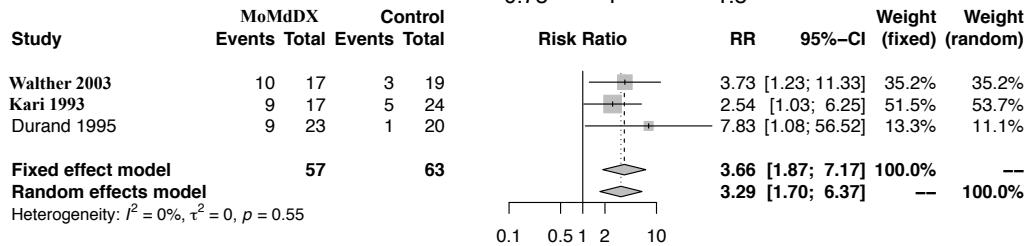
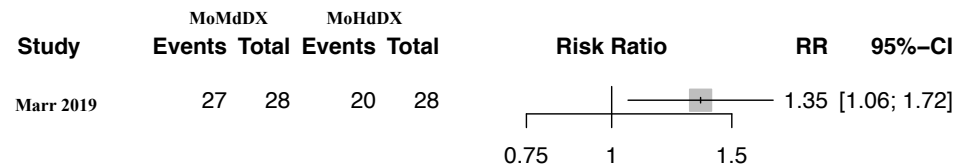
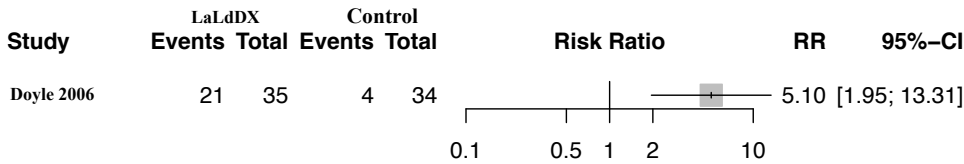
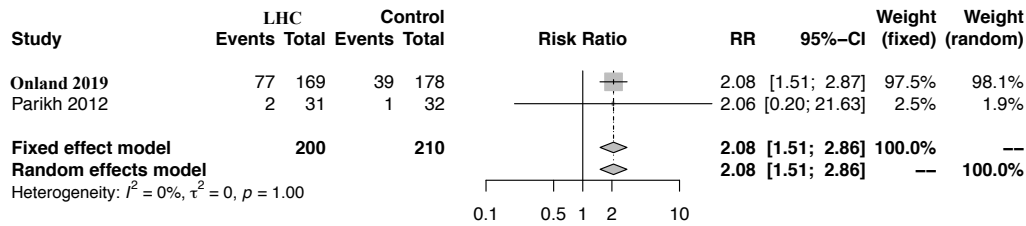
eFigure 18. Network Plot for BPD (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Successful Extubation (C)

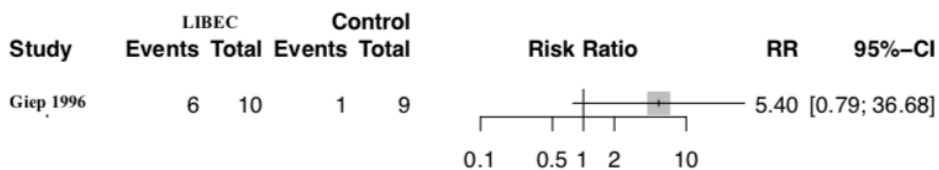
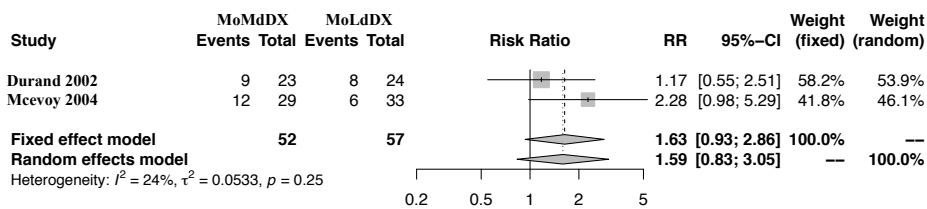
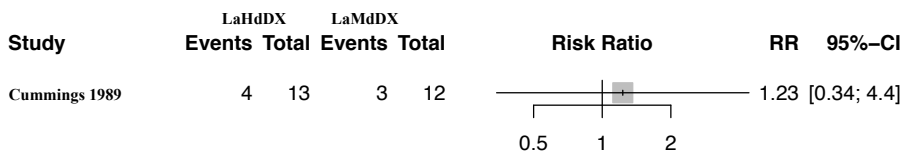
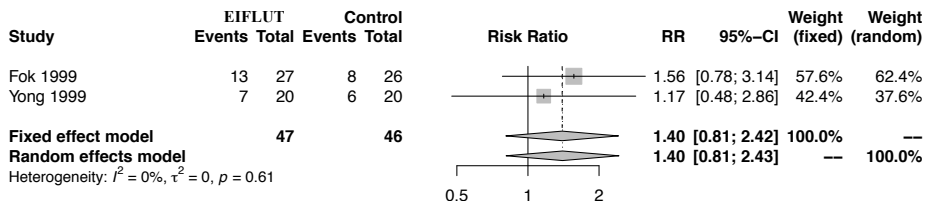
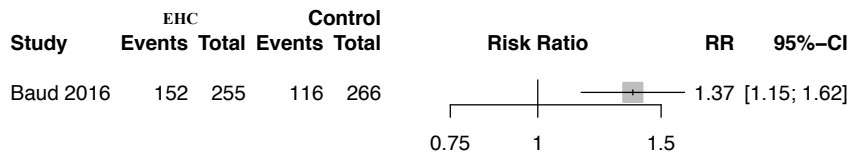
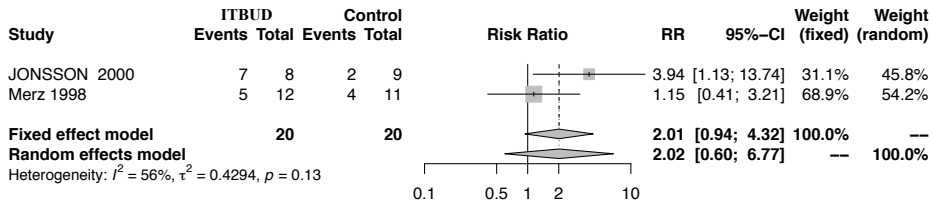


eFigure 19. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Successful Extubation

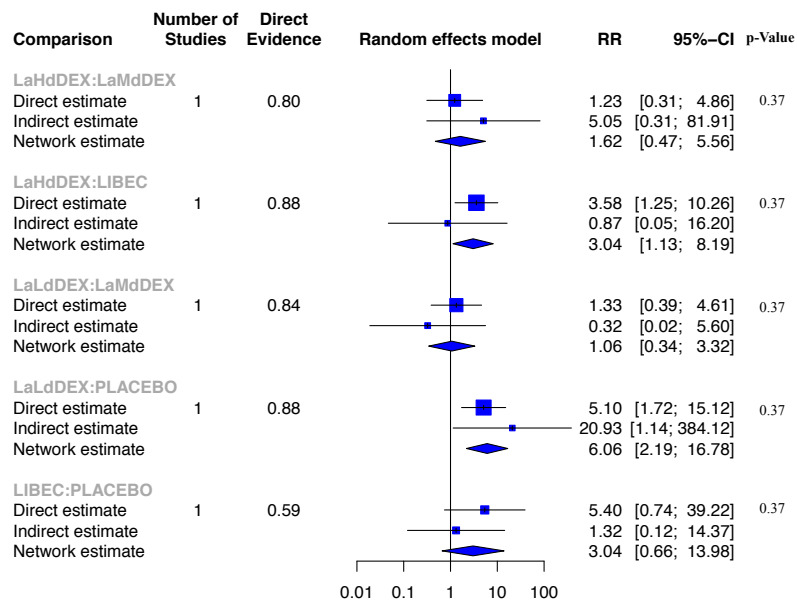


eFigure 20. Direct Evidence from the Pair Wise Comparisons for Successful Extubation

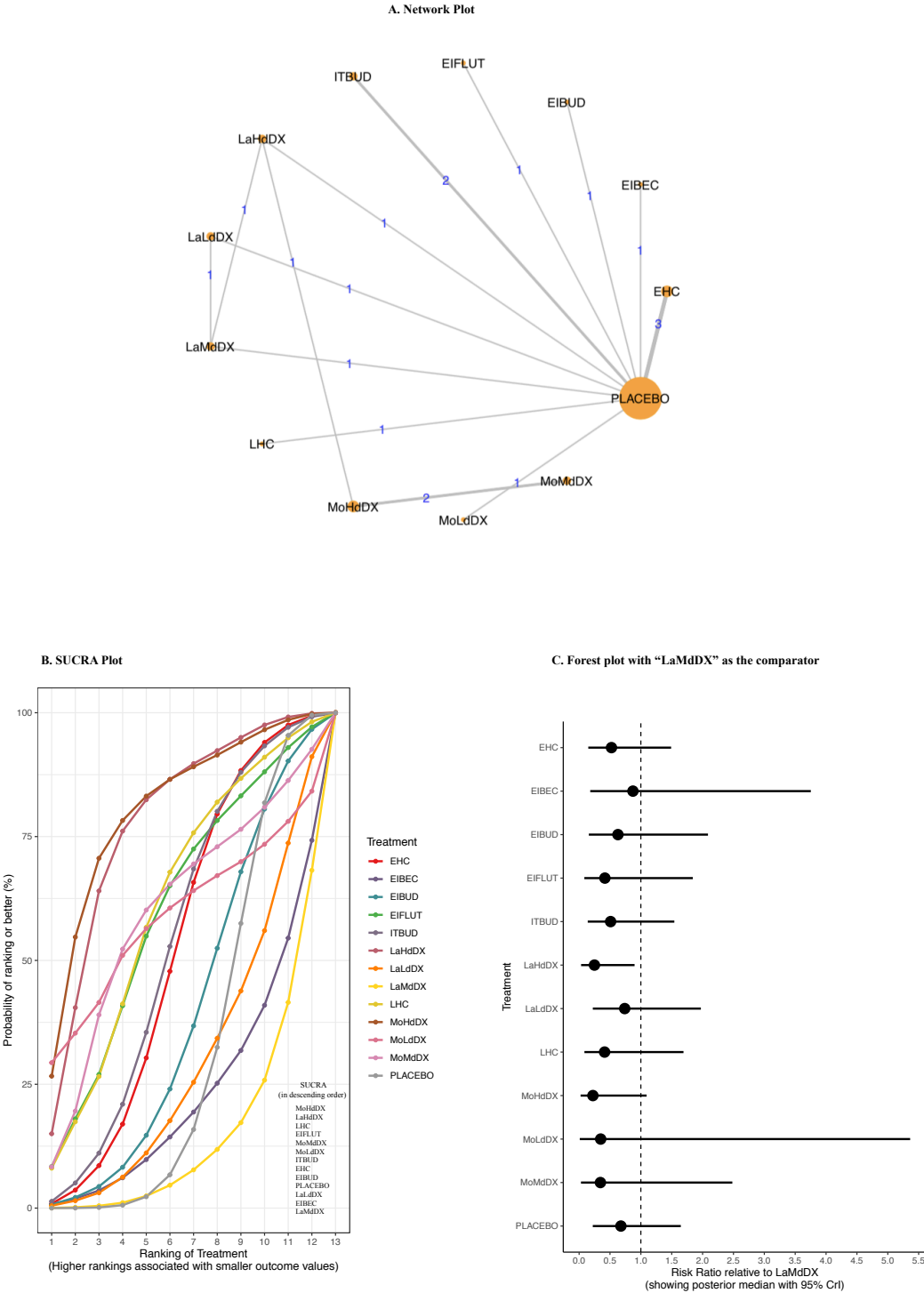




eFigure 21. Split Between Direct and Indirect Evidence for Successful Extubation



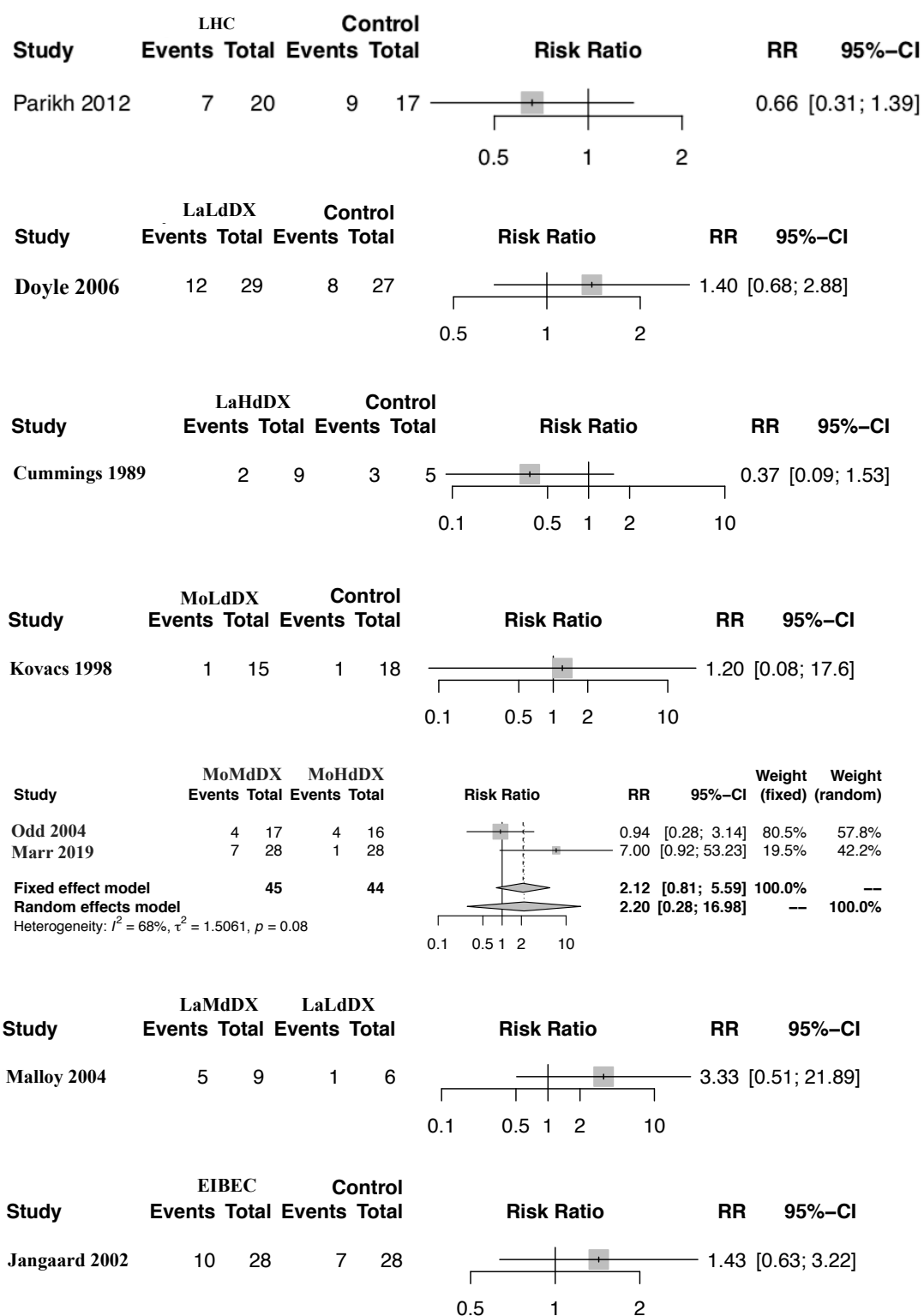
eFigure 22. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “LaMddX” as the Common Comparator for NDI at 18-24 Months (C)

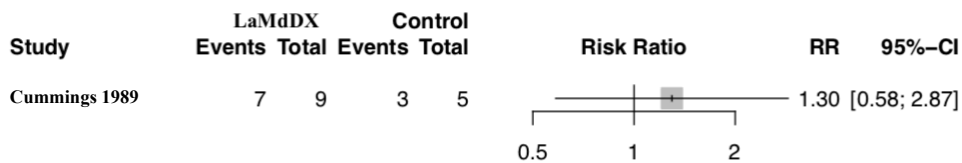
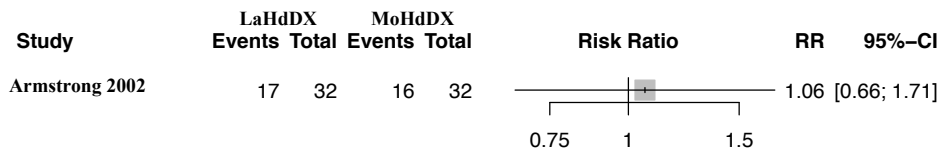
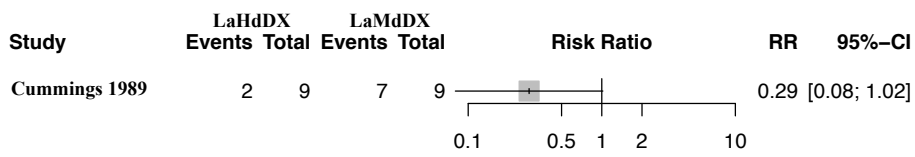
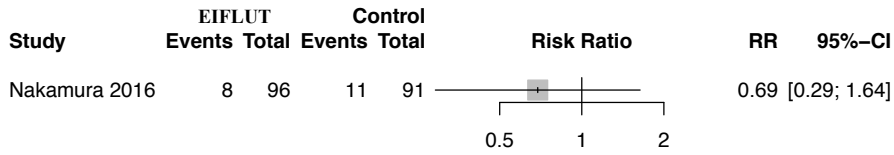
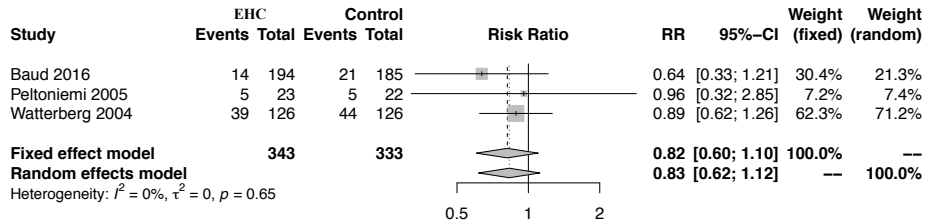
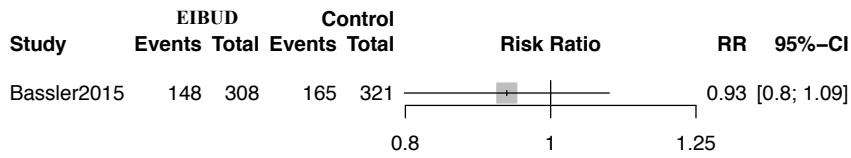
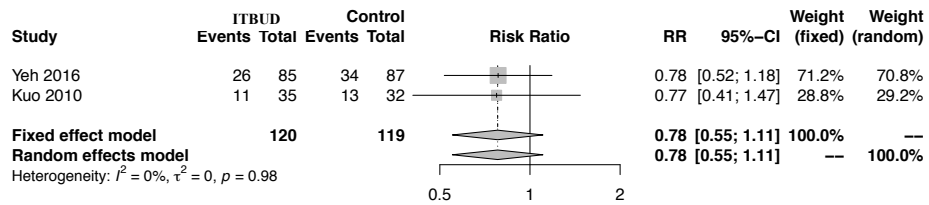


eFigure 23. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for NDI at 18-24 Months

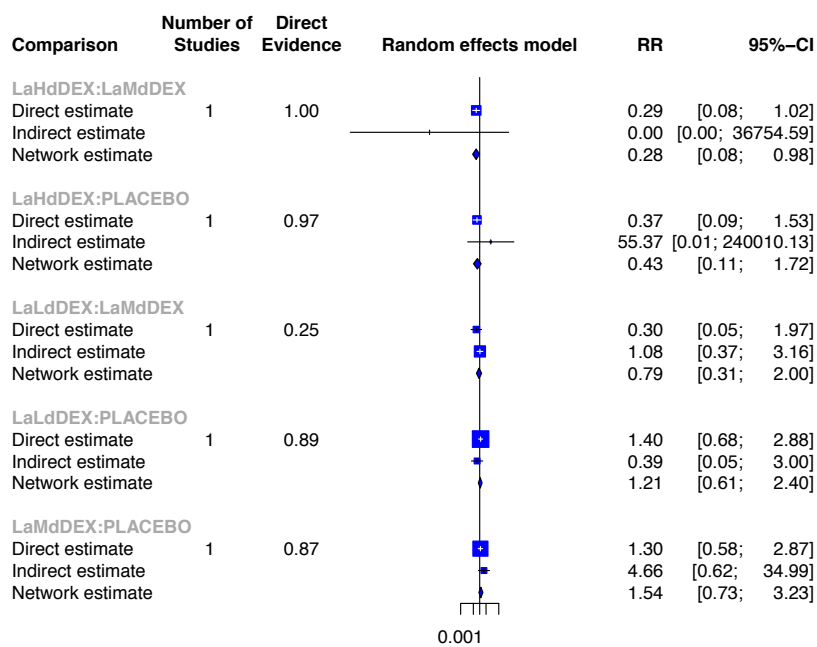
	Treatment												
	MoHdDX	LaHdDX	LHC	EIFLUT	MoMdDX	MoLdDX	ITBUD	EHC	EIBUD	PLACEBO	LaLdDX	EIBEC	LaMdDX
MoHdDX		1.23 (0.42, 2.81)	4.61 (0.23, 22.63)	5.31 (0.23, 24.15)	1.85 (0.58, 4.75)	9.28 (0.04, 45.79)	5.02 (0.35, 23.71)	5.02 (0.36, 23.93)	6.67 (0.41, 30.37)	6.00 (0.52, 28.98)	7.09 (0.50, 33.37)	10.18 (0.48, 50.10)	9.11 (0.91, 42.50)
LaHdDX	1.04 (0.36, 2.35)		3.56 (0.26, 17.33)	3.76 (0.25, 18.69)	1.99 (0.38, 6.13)	6.76 (0.04, 36.04)	3.88 (0.40, 18.10)	3.95 (0.42, 18.10)	5.06 (0.47, 23.31)	4.75 (0.60, 21.67)	5.60 (0.58, 25.59)	7.87 (0.54, 37.94)	**7.13** (1.11, 31.65)
LHC	1.12 (0.04, 4.30)	0.98 (0.06, 3.82)		1.52 (0.21, 5.13)	2.40 (0.06, 9.08)	2.64 (0.03, 14.48)	1.57 (0.34, 4.52)	1.57 (0.36, 4.42)	2.04 (0.38, 6.03)	1.92 (0.55, 5.02)	2.41 (0.42, 7.46)	3.17 (0.45, 10.44)	3.54 (0.59, 11.65)
EIFLUT	1.22 (0.04, 4.33)	0.99 (0.05, 3.93)	1.47 (0.19, 4.87)		3.05 (0.06, 9.09)	2.70 (0.03, 14.63)	1.57 (0.31, 4.66)	1.58 (0.33, 4.54)	2.05 (0.36, 6.19)	1.93 (0.49, 5.17)	2.42 (0.39, 7.60)	3.16 (0.42, 10.59)	3.50 (0.54, 11.85)
MoMdDX	0.72 (0.21, 1.72)	0.90 (0.16, 2.66)	3.47 (0.11, 17.07)	3.99 (0.11, 18.00)		6.99 (0.02, 34.55)	3.87 (0.16, 18.55)	3.72 (0.17, 18.50)	4.97 (0.19, 23.64)	4.45 (0.24, 22.62)	5.24 (0.23, 26.58)	7.69 (0.23, 38.32)	6.65 (0.40, 33.42)
MoLdDX	6.12 (0.02, 27.24)	5.71 (0.03, 26.73)	9.06 (0.07, 38.85)	9.25 (0.07, 39.93)	12.07 (0.03, 51.42)		9.83 (0.10, 42.11)	9.56 (0.11, 43.31)	13.05 (0.12, 54.93)	12.14 (0.15, 53.30)	15.75 (0.14, 67.73)	23.41 (0.15, 87.12)	21.93 (0.19, 96.49)
ITBUD	0.79 (0.04, 2.86)	0.71 (0.06, 2.49)	1.05 (0.22, 2.95)	1.09 (0.21, 3.20)	1.76 (0.05, 6.28)	1.89 (0.02, 9.70)		1.14 (0.41, 2.47)	1.46 (0.41, 3.67)	1.40 (0.67, 2.62)	1.74 (0.45, 4.48)	2.24 (0.48, 6.52)	2.51 (0.65, 7.18)
EHC	0.74 (0.04, 2.76)	0.67 (0.06, 2.36)	1.00 (0.23, 2.76)	1.04 (0.22, 3.02)	1.55 (0.05, 5.95)	1.83 (0.02, 9.51)	1.08 (0.40, 2.43)		1.39 (0.43, 3.43)	1.34 (0.73, 2.36)	1.66 (0.47, 4.15)	2.14 (0.48, 6.19)	2.40 (0.67, 6.74)
EIBUD	0.68 (0.03, 2.46)	0.60 (0.04, 2.15)	0.89 (0.17, 2.63)	0.94 (0.16, 2.80)	1.44 (0.04, 5.31)	1.62 (0.02, 8.35)	0.96 (0.27, 2.41)	0.97 (0.29, 2.31)		1.18 (0.46, 2.54)	1.48 (0.33, 3.99)	1.93 (0.35, 5.77)	2.14 (0.48, 6.37)
PLACEBO	0.53 (0.03, 1.93)	0.50 (0.05, 1.67)	0.73 (0.20, 1.83)	0.76 (0.19, 2.03)	1.08 (0.04, 4.22)	1.33 (0.02, 6.79)	0.80 (0.38, 1.48)	0.81 (0.42, 1.36)	1.02 (0.39, 2.17)		1.23 (0.43, 2.72)	1.57 (0.43, 4.10)	1.77 (0.61, 4.52)
LaLdDX	0.54 (0.03, 2.00)	0.48 (0.04, 1.72)	0.77 (0.13, 2.41)	0.81 (0.13, 2.60)	1.11 (0.04, 4.35)	1.42 (0.01, 7.32)	0.84 (0.22, 2.24)	0.84 (0.24, 2.14)	1.08 (0.25, 3.03)	1.02 (0.37, 2.35)		1.67 (0.28, 5.31)	1.65 (0.51, 4.51)
EIBEC	0.53 (0.02, 2.10)	0.46 (0.03, 1.86)	0.70 (0.10, 2.23)	0.72 (0.09, 2.41)	1.14 (0.03, 4.32)	1.25 (0.01, 6.68)	0.74 (0.15, 2.10)	0.74 (0.16, 2.07)	0.96 (0.17, 2.82)	0.91 (0.24, 2.34)	1.14 (0.19, 3.58)		1.66 (0.27, 5.56)
LaMdDX	0.33 (0.02, 1.09)	**0.31** (0.03, 0.90)	0.55 (0.09, 1.69)	0.58 (0.08, 1.84)	0.65 (0.03, 2.48)	1.01 (0.01, 5.36)	0.60 (0.14, 1.54)	0.60 (0.15, 1.49)	0.77 (0.16, 2.09)	0.74 (0.22, 1.65)	0.83 (0.22, 1.97)	1.19 (0.18, 3.75)	

eFigure 24. Direct Evidence from the Pair Wise Comparisons for NDI at 18- 24 Months

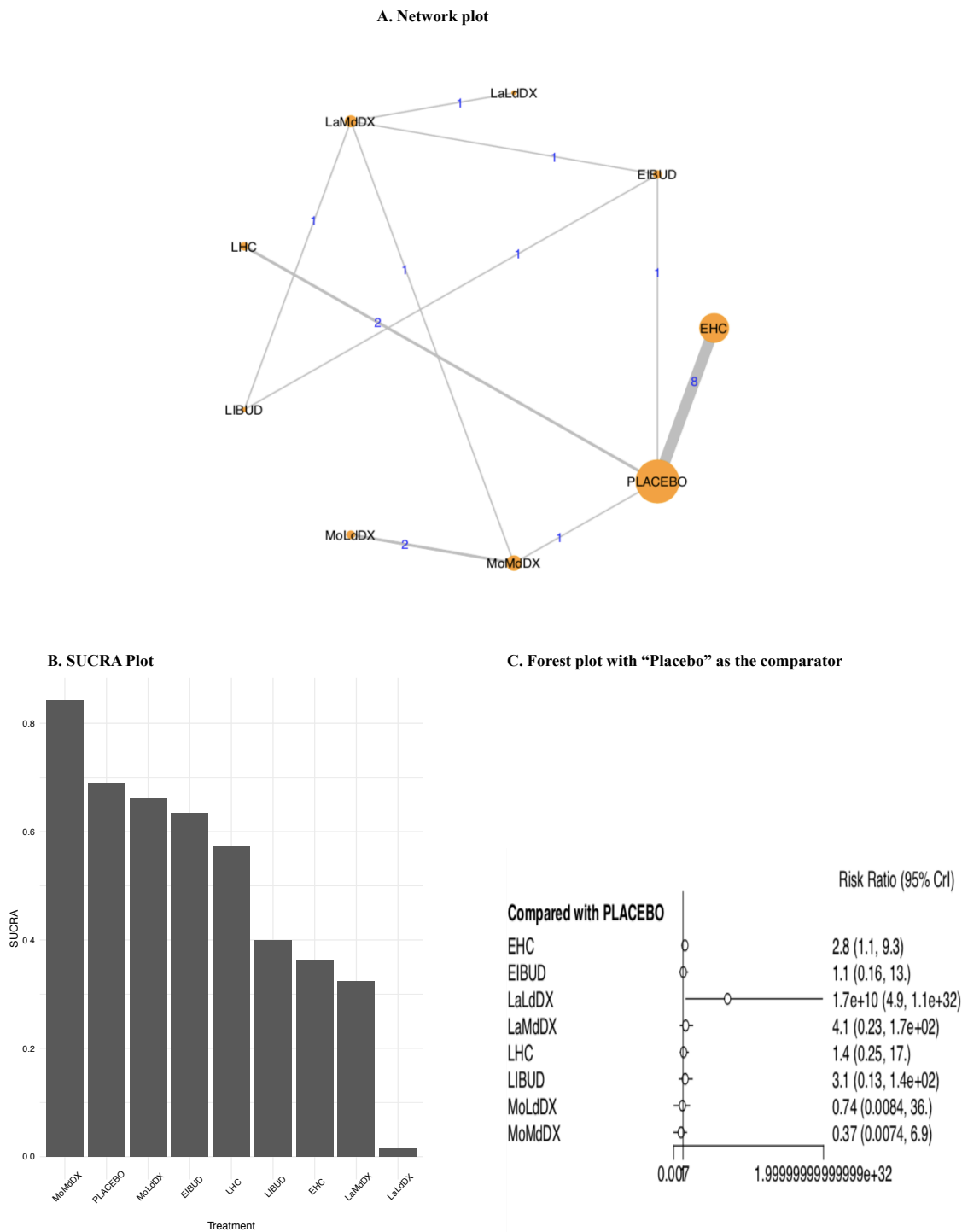




eFigure 25. Split Between Direct and Indirect Evidence for NDI at 18-24 Months



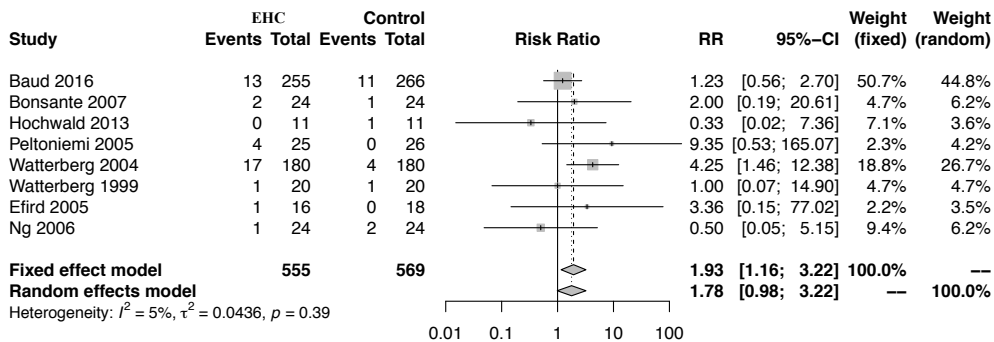
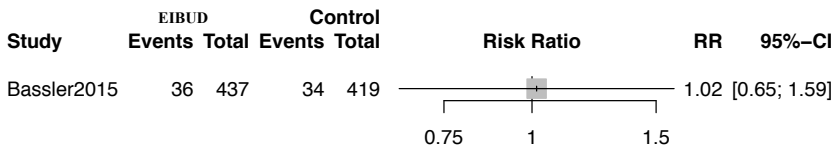
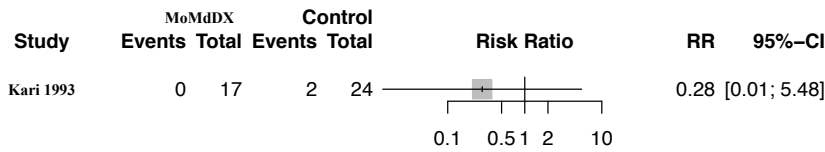
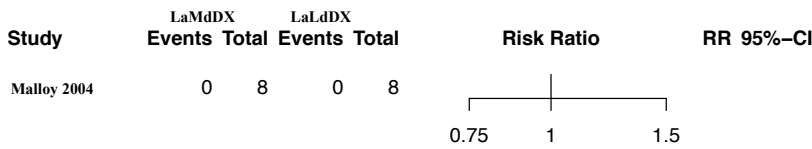
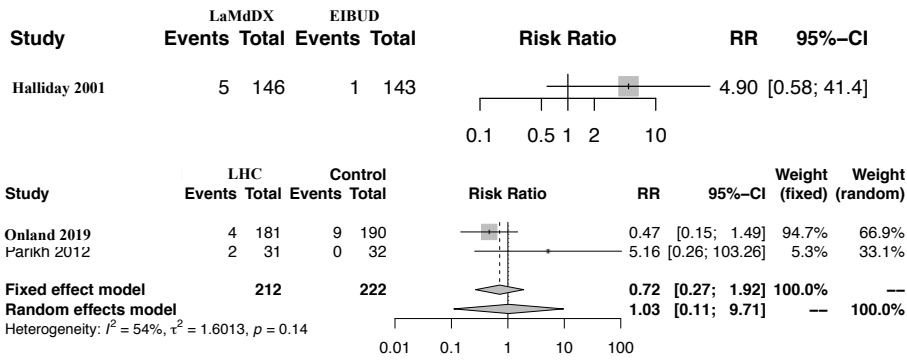
eFigure 26. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for GI Perforation (C)

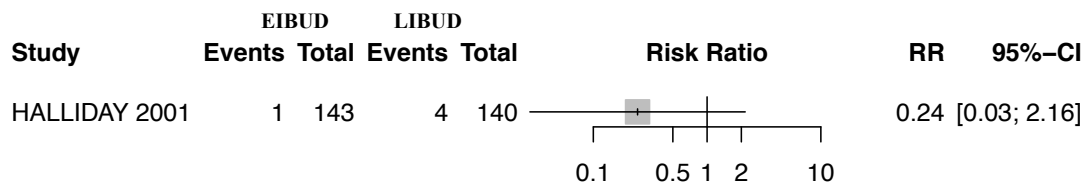
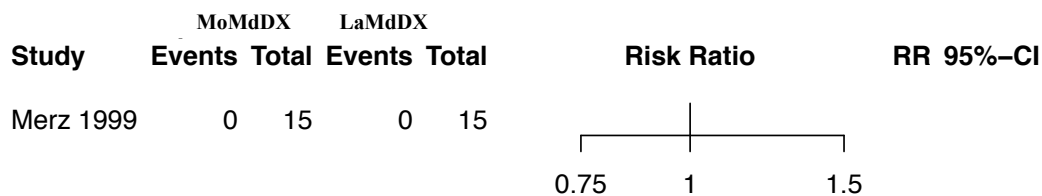
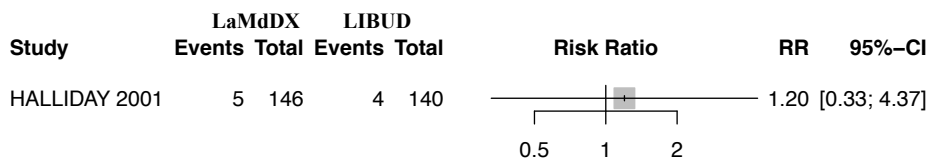
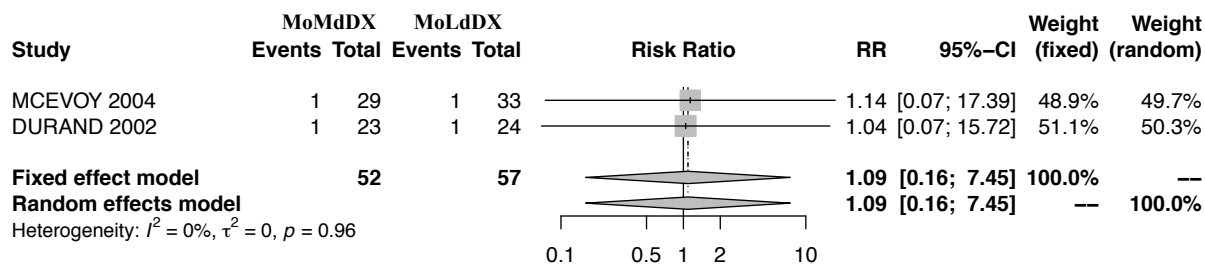


eFigure 27. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for GI Perforation

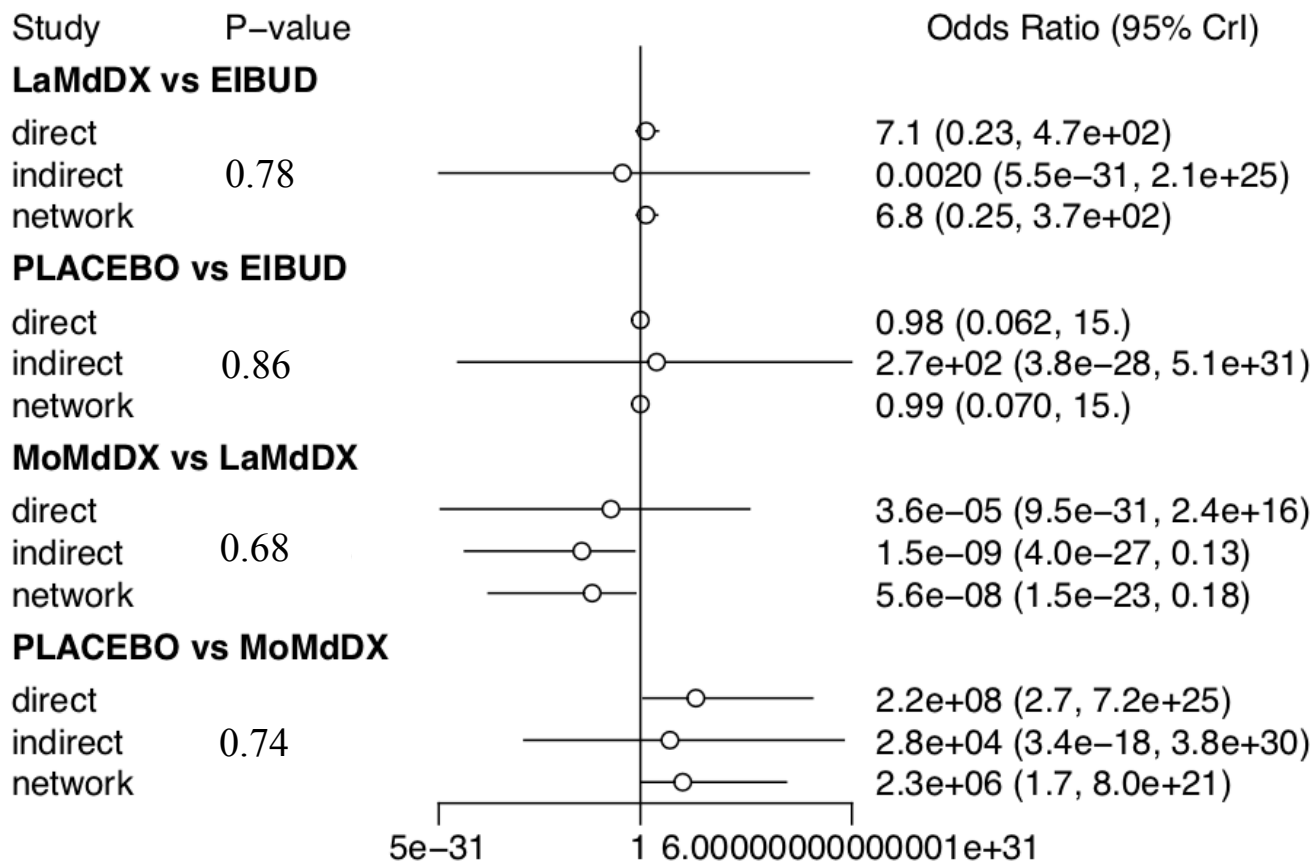
EHC	0.42 (0.04, 4.91)	-	1.48 (0.06, 61.62)	0.49 (0.07, 6.61)	1.11 (0.03, 50)	0.26 (0, 12.93)	0.13 (0, 2.68)	0.36 (0.11, 0.92)
2.37 (0.2, 26.06)	EIBUD	-	3.51 (0.32, 66.73)	1.13 (0.08, 30.71)	2.67 (0.19, 54.13)	0.63 (0, 38)	0.31 (0, 7.99)	0.87 (0.08, 6.36)
0 (0, 0.6)	0 (0, 0.22)	LaLdDX	0 (0, 0.7)	0 (0, 0.36)	0 (0, 0.62)	0 (0, 0.21)	0 (0, 0.09)	0 (0, 0.2)
0.67 (0.02, 15.83)	0.28 (0.01, 3.08)	-	LaMdDX	0.33 (0.01, 15.72)	0.76 (0.05, 8.66)	0.17 (0, 12.35)	0.09 (0, 2.83)	0.24 (0.01, 4.34)
2.04 (0.15, 15.25)	0.88 (0.03, 12.48)	-	3.03 (0.06, 141.42)	LHC	2.32 (0.04, 109.24)	0.52 (0, 33.26)	0.25 (0, 7.48)	0.74 (0.06, 3.95)
0.9 (0.02, 29.2)	0.37 (0.02, 5.34)	-	1.32 (0.12, 18.88)	0.43 (0.01, 27.51)	LIBUD	0.23 (0, 23.86)	0.11 (0, 5.45)	0.32 (0.01, 7.83)
3.83 (0.08, 415.97)	1.6 (0.03, 221.29)	-	5.76 (0.08, 1431.68)	1.93 (0.03, 335.69)	4.31 (0.04, 1129.73)	MoLdDX	0.49 (0.04, 4.68)	1.35 (0.03, 119.42)
7.76 (0.37, 472.58)	3.28 (0.13, 256.78)	-	11.69 (0.35, 1773.5)	3.99 (0.13, 427.12)	8.82 (0.18, 1456.59)	2.05 (0.21, 27.66)	MoMdDX	2.73 (0.15, 134.37)
2.77 (1.09, 9.32)	1.15 (0.16, 12.97)	-	4.1 (0.23, 173.03)	1.36 (0.25, 17.17)	3.12 (0.13, 139.92)	0.74 (0.01, 35.54)	0.37 (0.01, 6.86)	PLACEBO

eFigure 28. Direct Evidence from the Pair Wise Comparisons for GI Perforation

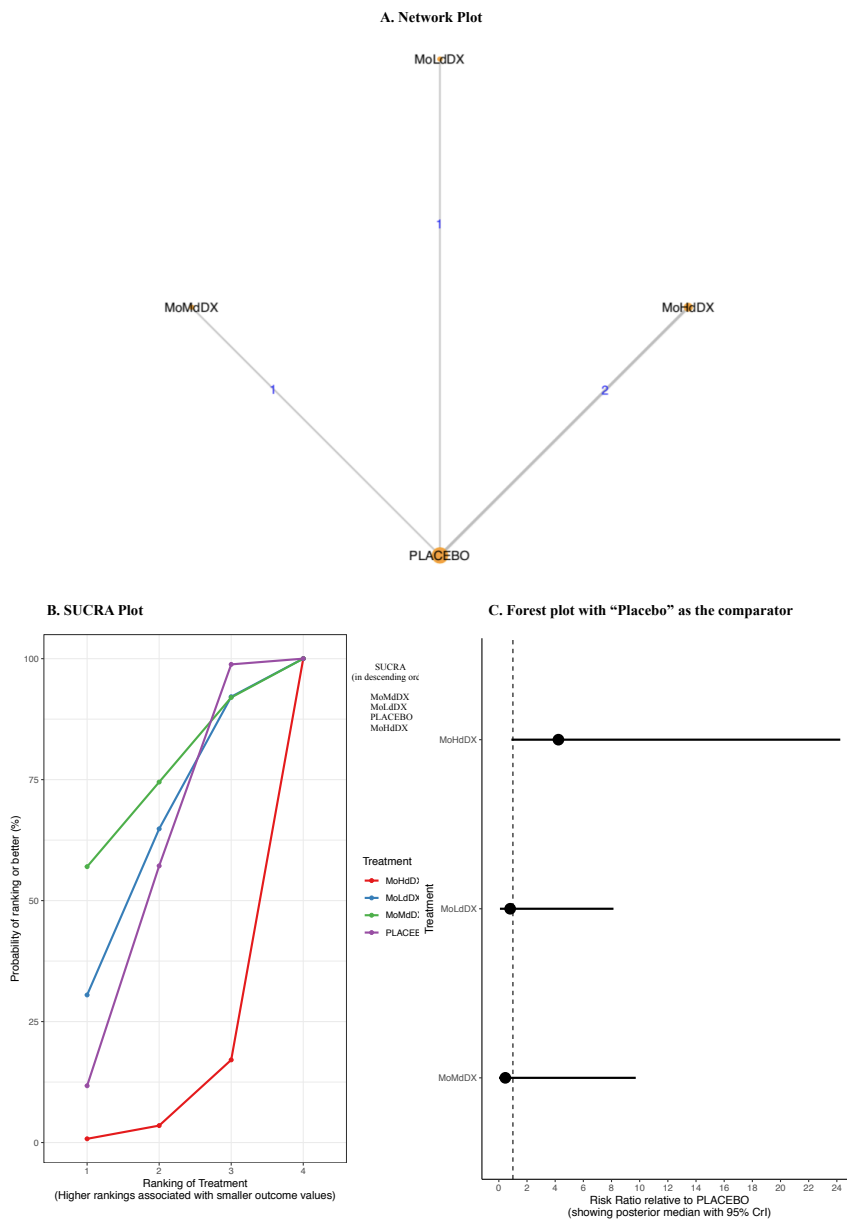




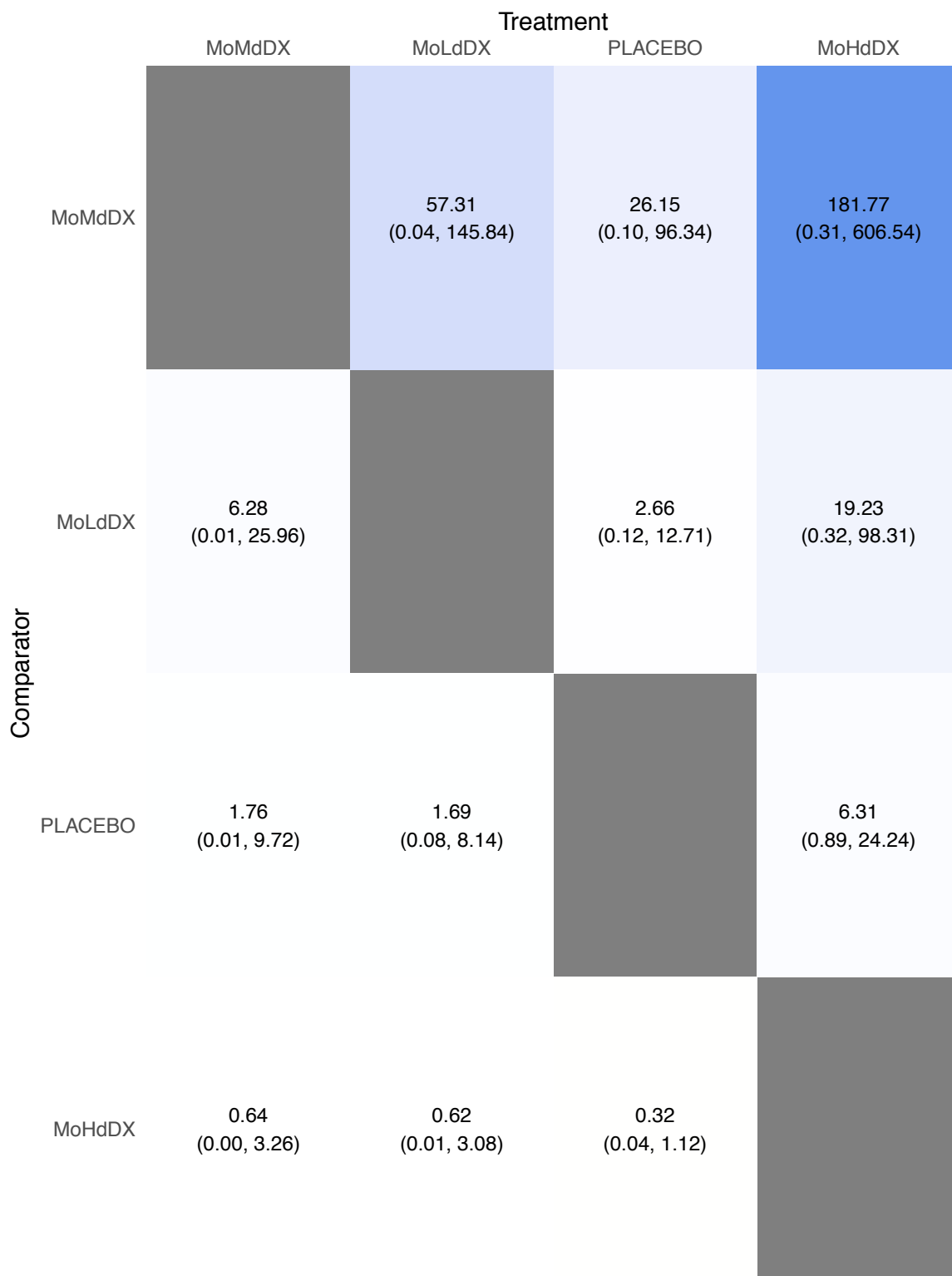
eFigure 29. Split Between Direct and Indirect Evidence for GI Perforation



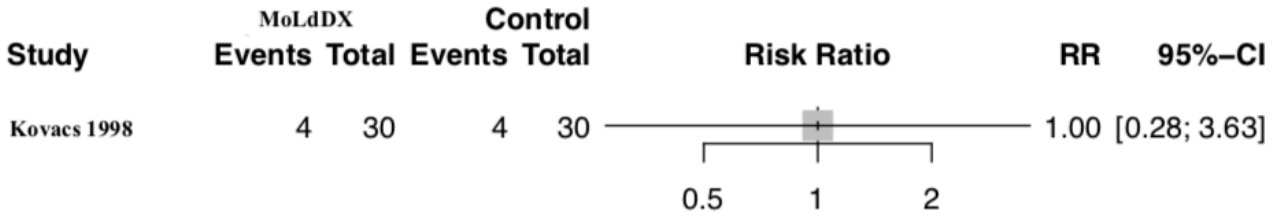
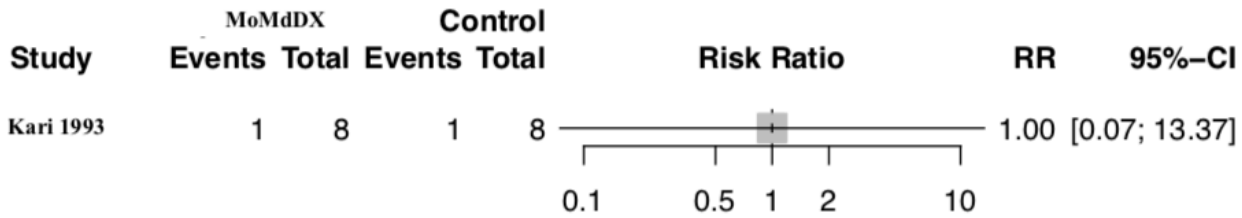
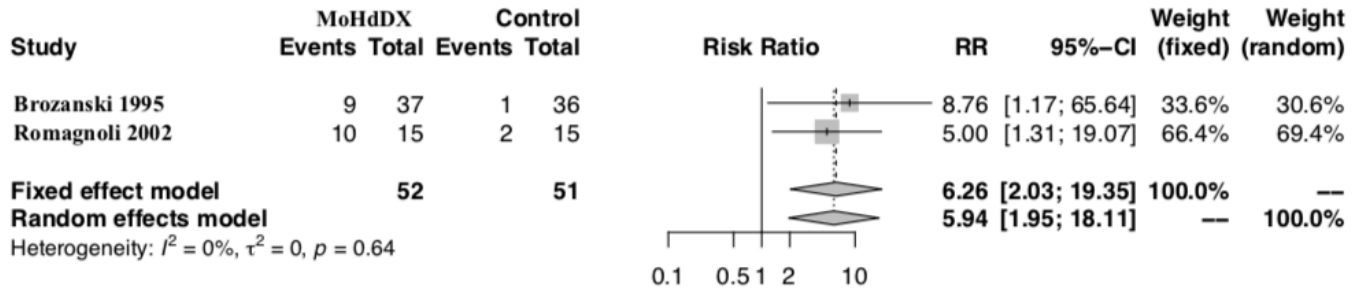
eFigure 30. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Hypertrophic Cardiomyopathy (C)



eFigure 31. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Hypertrophic Cardiomyopathy

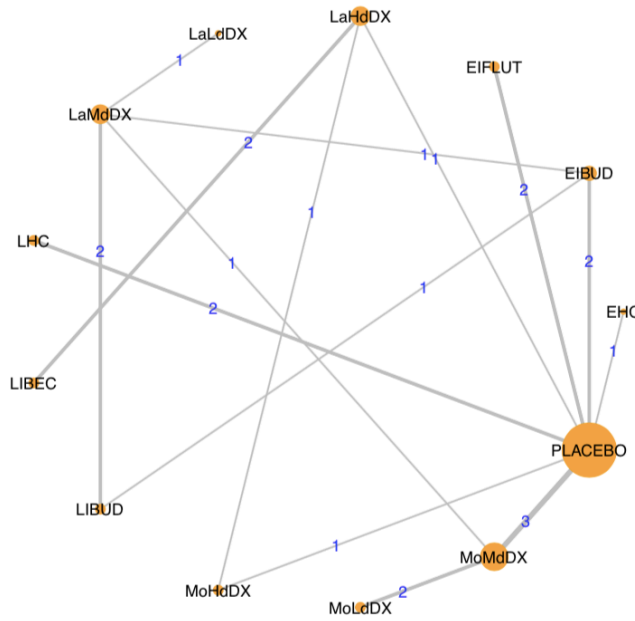


eFigure 32. Direct Evidence from the Pair Wise Comparisons for Hypertrophic Cardiomyopathy

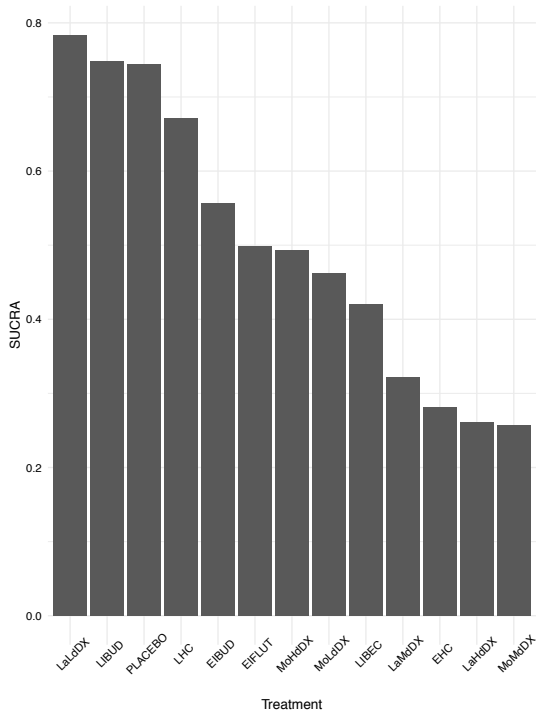


eFigure 33. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Hypertension (C)

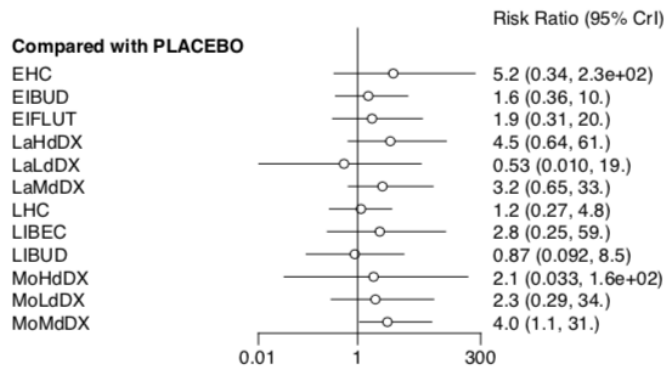
A. Network Plot



B. SUCRA Plot



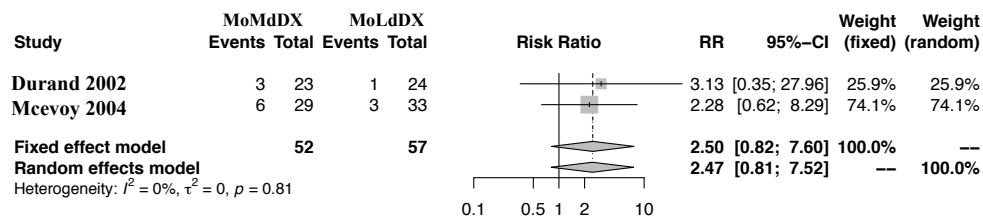
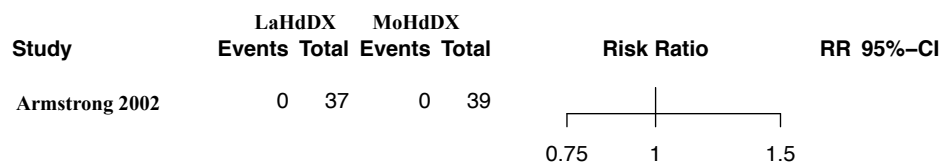
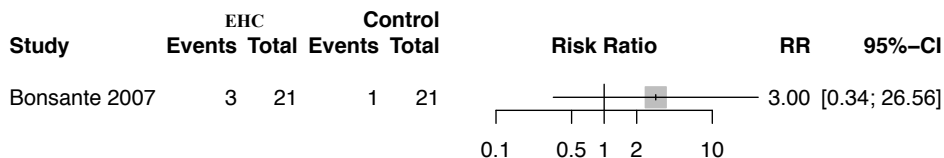
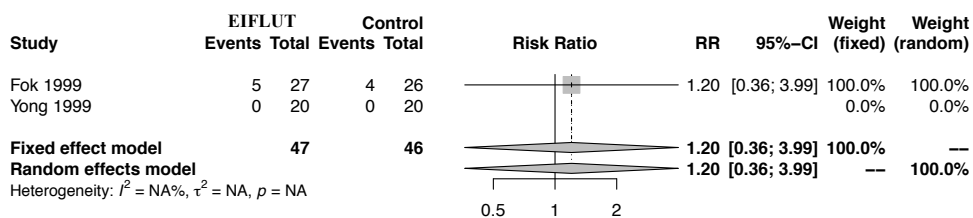
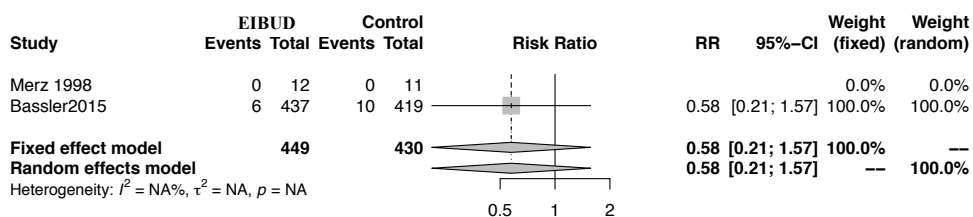
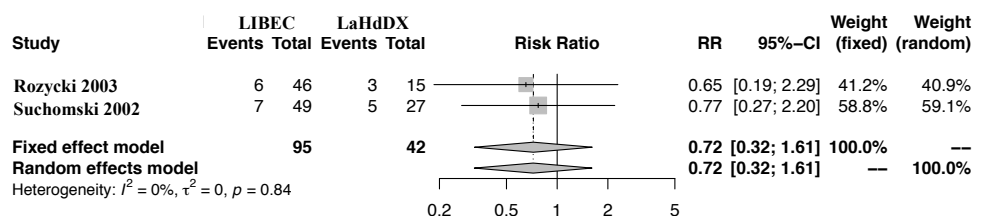
C. Forest plot with “Placebo” as the comparator

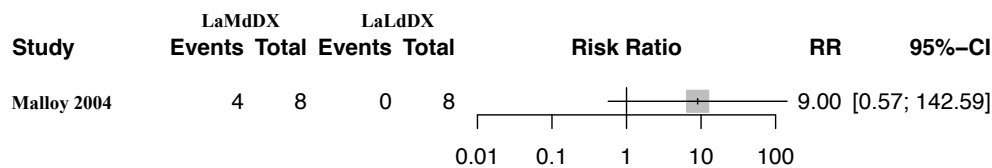
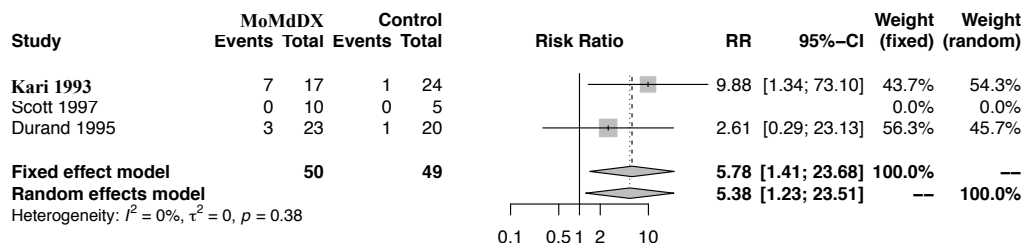
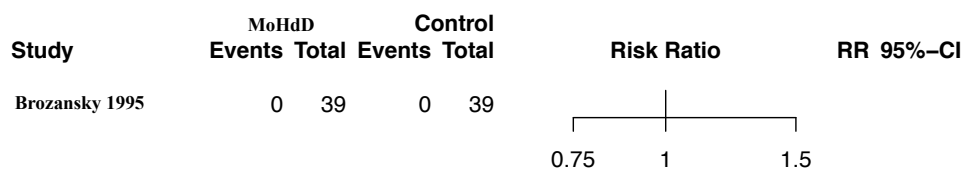
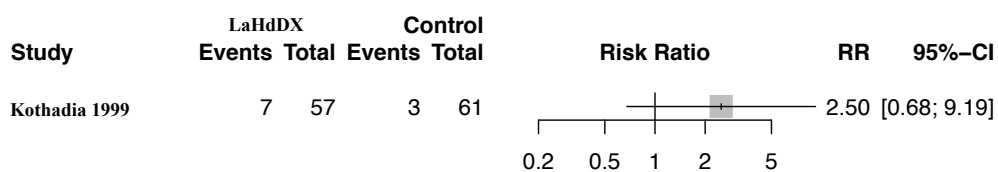
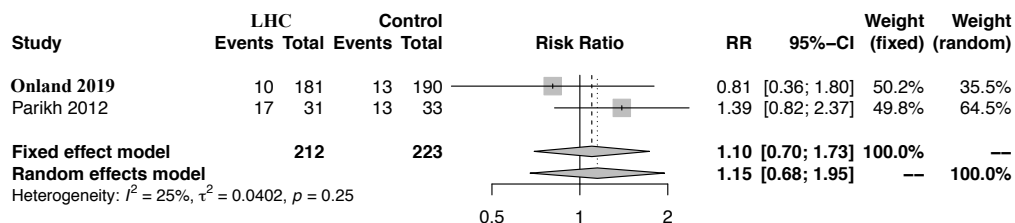
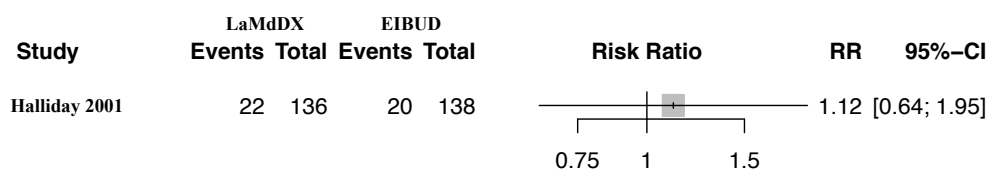


eFigure 34. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Hypertension

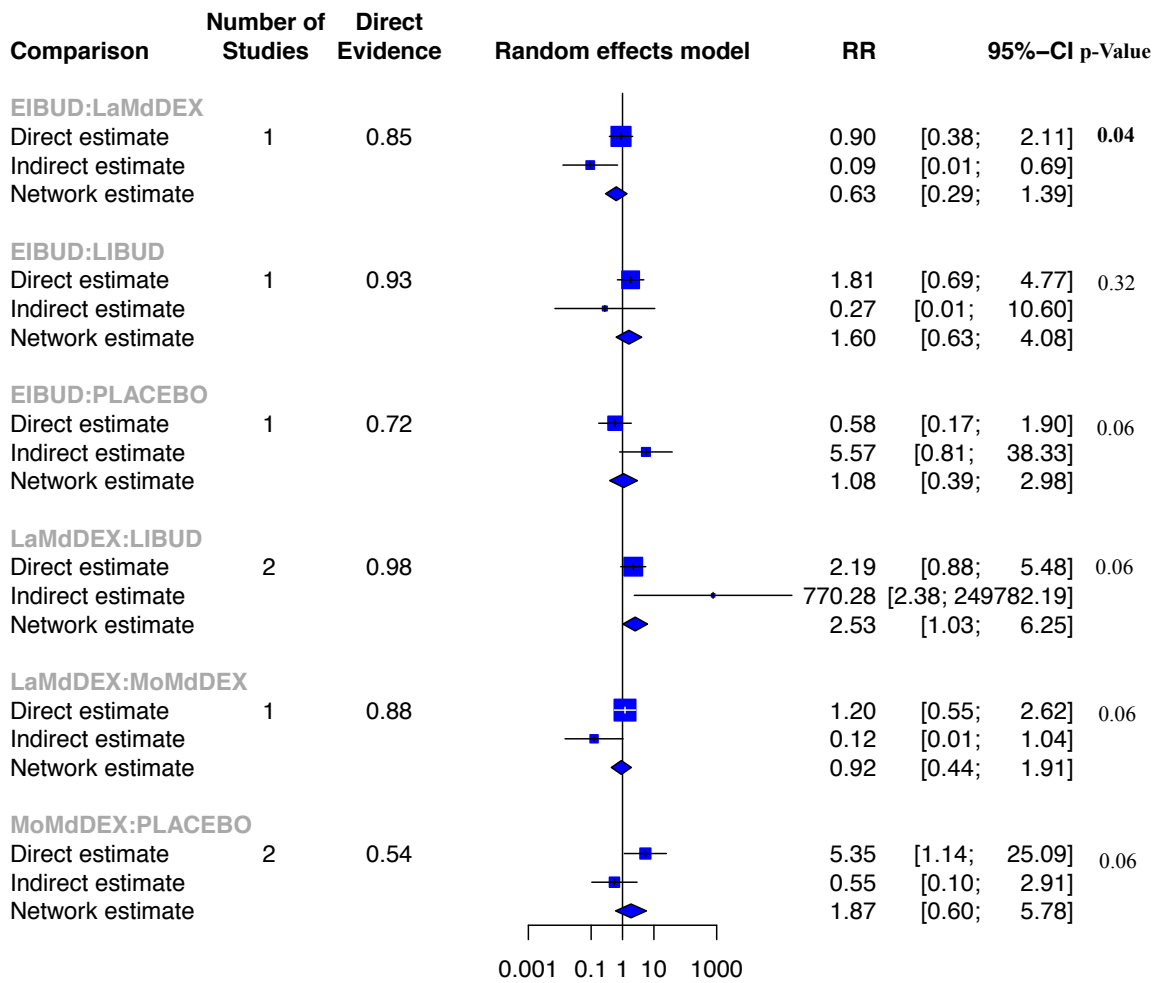
EHC	0.31 (0.01, 8.96)	0.37 (0.01, 13.72)	0.87 (0.01, 40.85)	0.09 (0, 9.57)	0.62 (0.01, 24.35)	0.22 (0, 4.67)	0.52 (0.01, 34.45)	0.16 (0, 5.9)	0.37 (0, 70.47)	0.43 (0.01, 21.61)	0.78 (0.02, 26.32)	0.19 (0, 2.98)
3.21 (0.11, 180.1)	EIBUD	1.18 (0.1, 18.23)	2.73 (0.2, 54.06)	0.32 (0.01, 8.54)	1.93 (0.46, 12.85)	0.71 (0.07, 5.42)	1.68 (0.08, 48.02)	0.53 (0.07, 3)	1.25 (0.01, 119.63)	1.37 (0.14, 22.4)	2.36 (0.46, 21.79)	0.61 (0.1, 2.79)
2.7 (0.07, 166.1)	0.85 (0.05, 10.52)	EIFLUT	2.34 (0.12, 52.41)	0.26 (0, 13.4)	1.65 (0.11, 28.72)	0.6 (0.03, 5.5)	1.44 (0.05, 46.53)	0.45 (0.02, 7.39)	1.05 (0.01, 111.51)	1.16 (0.06, 28.1)	2.05 (0.17, 31.52)	0.52 (0.05, 3.19)
1.16 (0.02, 79.34)	0.37 (0.02, 5.03)	0.43 (0.02, 8.22)	LaHdDX	0.11 (0, 6.11)	0.72 (0.04, 14.29)	0.26 (0.01, 2.65)	0.61 (0.14, 2.95)	0.19 (0.01, 3.66)	0.46 (0.01, 27.76)	0.5 (0.02, 13.33)	0.88 (0.06, 14.8)	0.22 (0.02, 1.56)
10.87 (0.1, 2200.76)	3.11 (0.12, 154.13)	3.8 (0.07, 332.3)	8.97 (0.16, 936.68)	LaLdDX	6.06 (0.45, 249.79)	2.22 (0.04, 135.63)	5.58 (0.08, 732.01)	1.65 (0.05, 81.59)	4.16 (0.02, 1192.65)	4.4 (0.13, 343.1)	7.59 (0.35, 448.9)	1.89 (0.05, 97.56)
1.62 (0.04, 92.64)	0.52 (0.08, 2.2)	0.6 (0.03, 9.28)	1.4 (0.07, 26.73)	0.16 (0, 2.24)	LaMdDX	0.37 (0.02, 2.76)	0.86 (0.03, 23.32)	0.28 (0.03, 1.1)	0.62 (0.01, 59.5)	0.7 (0.07, 7.7)	1.21 (0.24, 7.26)	0.32 (0.03, 1.54)
4.6 (0.21, 247.13)	1.41 (0.18, 15.32)	1.66 (0.18, 29.12)	3.89 (0.38, 78.38)	0.45 (0.01, 23.14)	2.71 (0.36, 47.23)	LHC	2.42 (0.15, 74.05)	0.75 (0.05, 11.45)	1.81 (0.02, 174.14)	1.94 (0.18, 46.46)	3.37 (0.59, 46.95)	0.86 (0.21, 3.7)
1.91 (0.03, 149.44)	0.59 (0.02, 11.83)	0.69 (0.02, 18.64)	1.63 (0.34, 7.38)	0.18 (0, 12.89)	1.16 (0.04, 32.77)	0.41 (0.01, 6.52)	LIBEC	0.31 (0.01, 8.18)	0.74 (0.01, 54.84)	0.81 (0.02, 29.1)	1.42 (0.07, 35.02)	0.36 (0.02, 4.06)
6.18 (0.17, 467.5)	1.87 (0.33, 14.53)	2.21 (0.14, 60.96)	5.25 (0.27, 170.71)	0.61 (0.01, 18.94)	3.63 (0.91, 31.85)	1.32 (0.09, 18.41)	3.25 (0.12, 145.89)	LIBUD	2.4 (0.02, 308.87)	2.57 (0.22, 62.28)	4.45 (0.69, 66.32)	1.15 (0.12, 10.84)
2.69 (0.01, 648.32)	0.8 (0.01, 76.21)	0.95 (0.01, 107.91)	2.15 (0.04, 185.61)	0.24 (0, 60.1)	1.61 (0.02, 184.57)	0.55 (0.01, 44.67)	1.35 (0.02, 145.49)	0.42 (0, 46.21)	MoHdDX	1.13 (0.01, 161.07)	1.98 (0.02, 207.55)	0.48 (0.01, 30.15)
2.34 (0.05, 153.11)	0.73 (0.04, 7.38)	0.86 (0.04, 16.84)	2.01 (0.08, 47.66)	0.23 (0, 7.83)	1.43 (0.13, 14.64)	0.52 (0.02, 5.58)	1.24 (0.03, 40.16)	0.39 (0.02, 4.6)	0.89 (0.01, 96.73)	MoLdDX	1.74 (0.34, 9.91)	0.44 (0.03, 3.41)
1.29 (0.04, 66.42)	0.42 (0.05, 2.18)	0.49 (0.03, 5.73)	1.14 (0.07, 16.77)	0.13 (0, 2.82)	0.83 (0.14, 4.17)	0.3 (0.02, 1.68)	0.7 (0.03, 15.38)	0.22 (0.02, 1.44)	0.5 (0, 44.43)	0.57 (0.1, 2.93)	MoMdDX	0.25 (0.03, 0.91)
5.2 (0.34, 230.2)	1.63 (0.36, 10.17)	1.94 (0.31, 20.03)	4.54 (0.64, 60.54)	0.53 (0.01, 18.94)	3.15 (0.65, 32.97)	1.16 (0.27, 4.83)	2.78 (0.25, 58.54)	0.87 (0.09, 8.51)	2.09 (0.03, 164.71)	2.27 (0.29, 33.89)	3.96 (1.1, 30.91)	PLACEBO

eFigure 35. Direct Evidence from the Pair Wise Comparisons for Hypertension

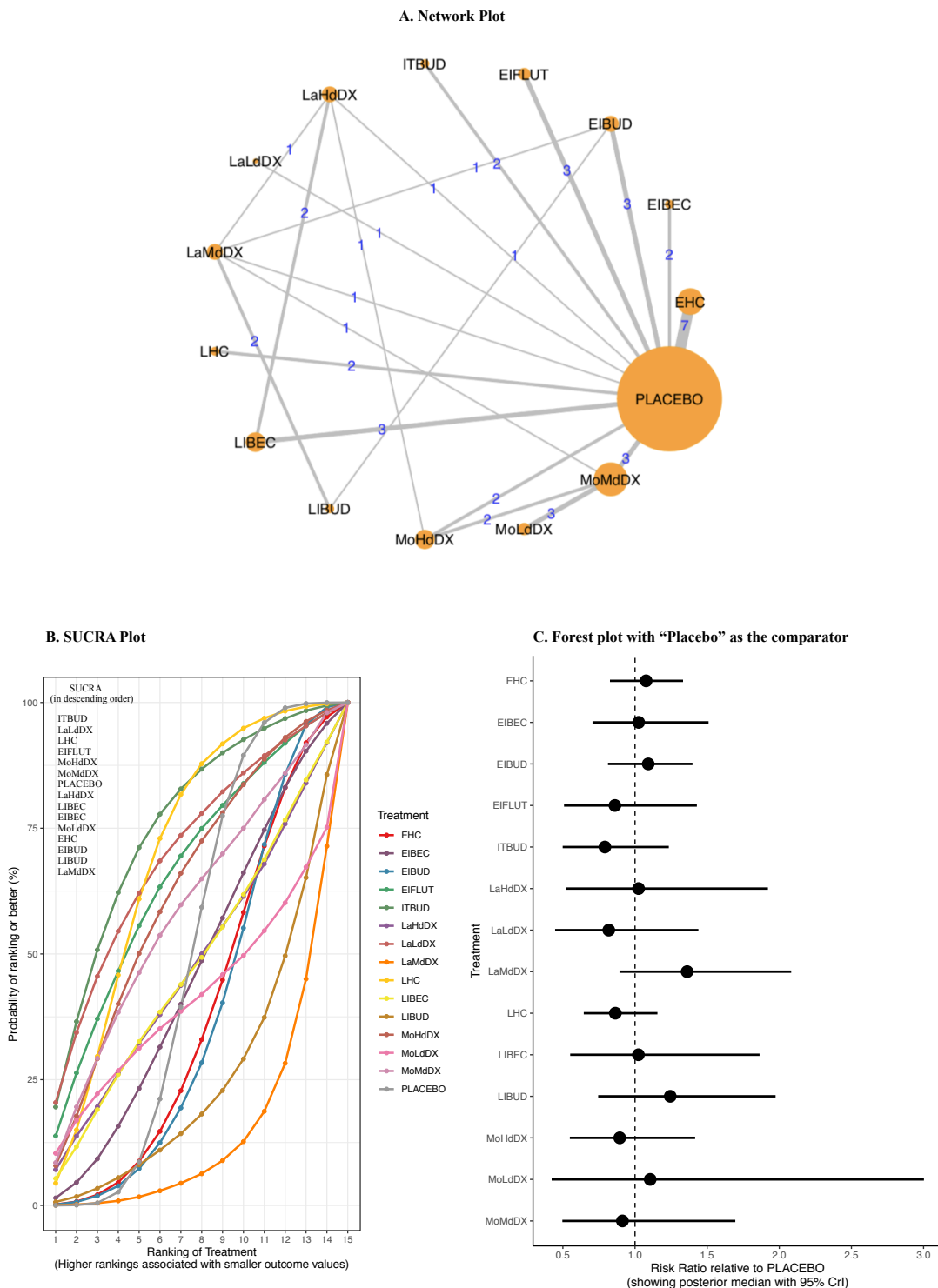




eFigure 36. Split Between Direct and Indirect Evidence for Hypertension



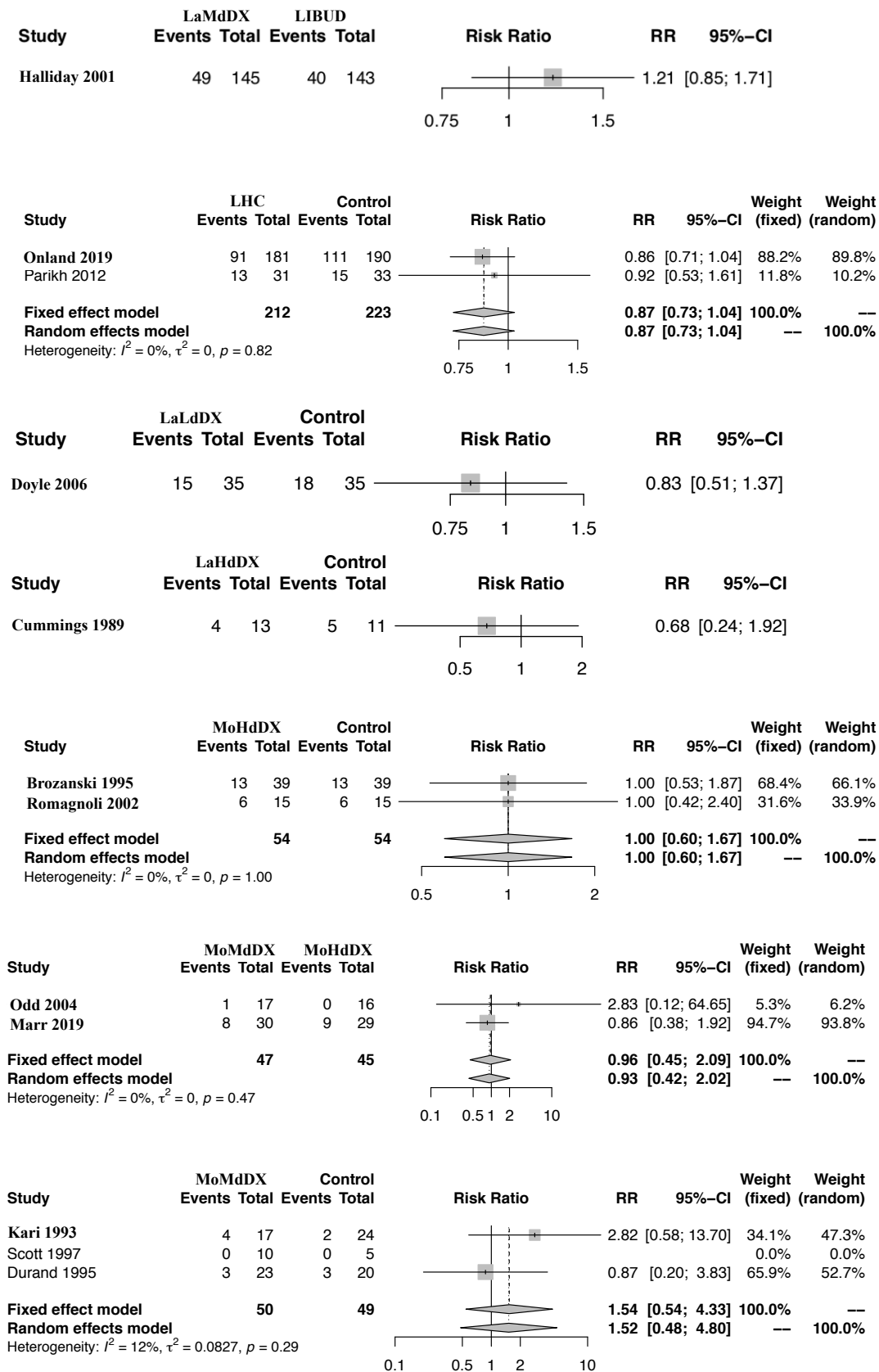
eFigure 37. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Sepsis (C)

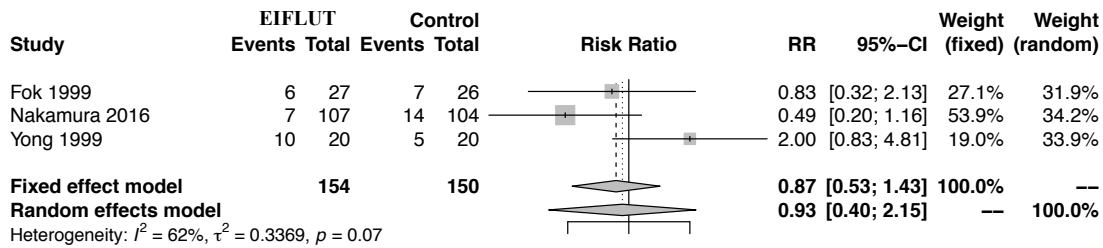
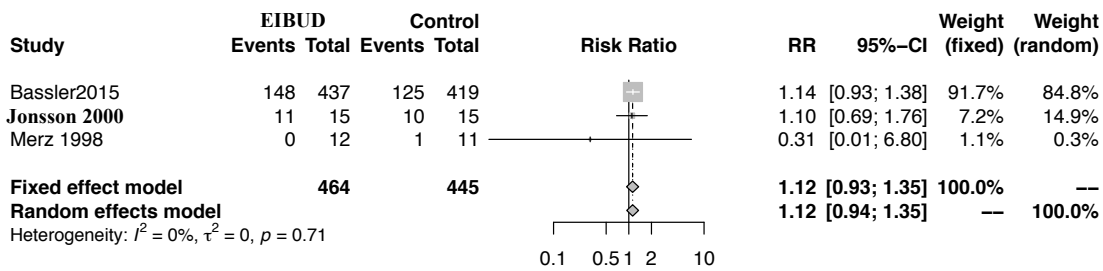
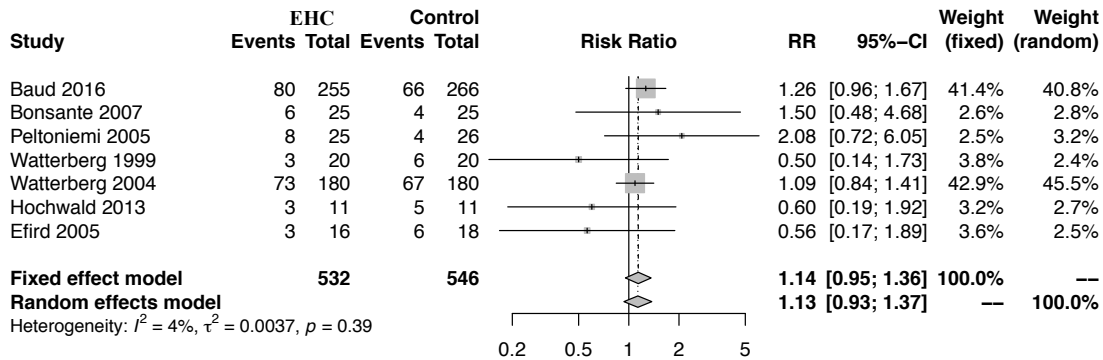
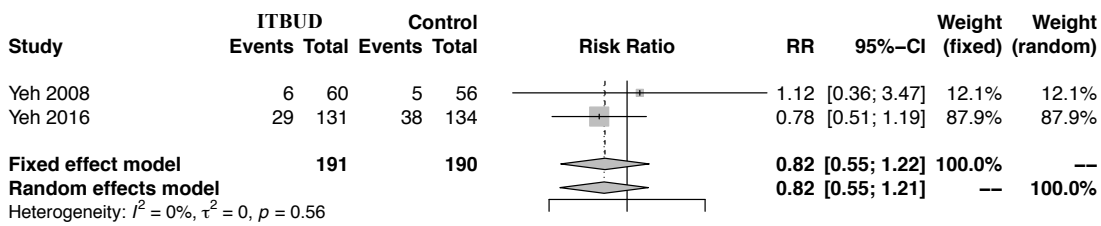
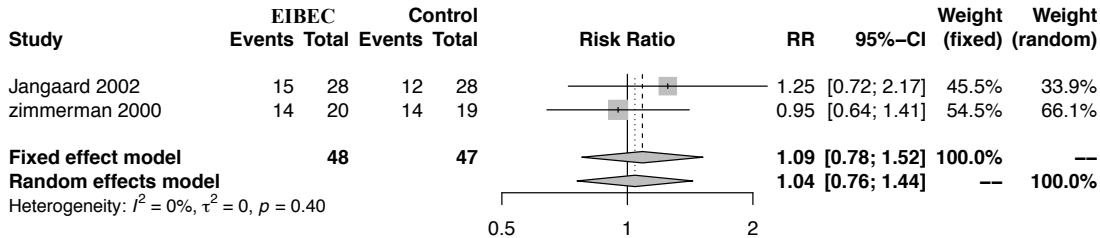
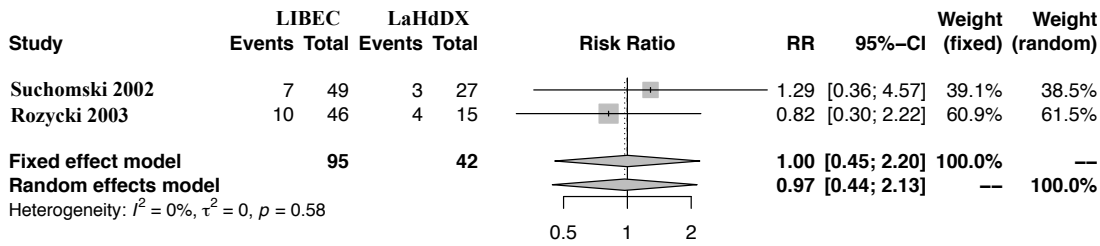


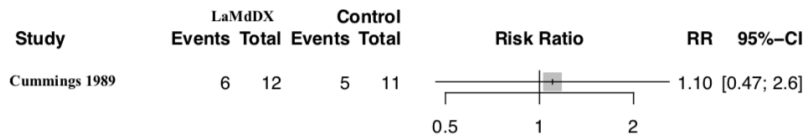
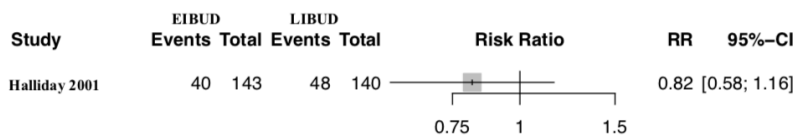
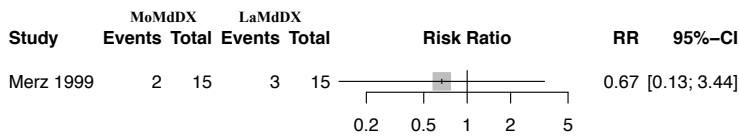
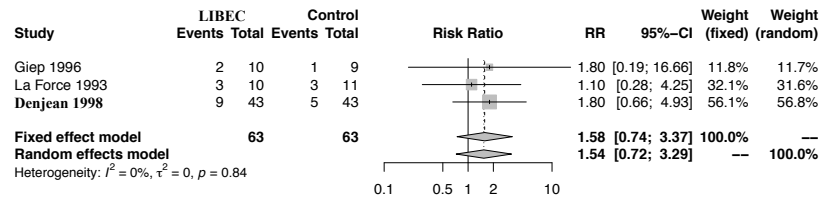
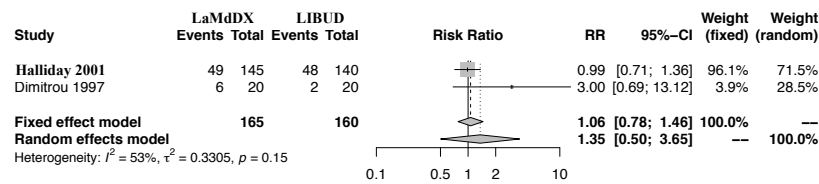
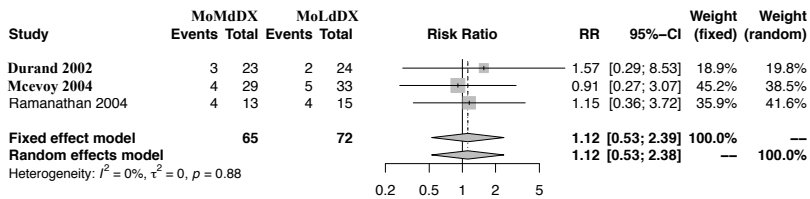
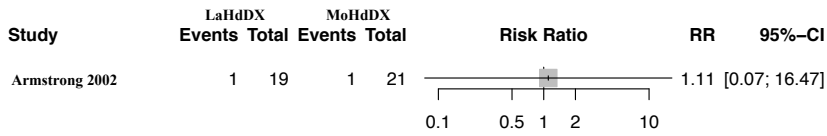
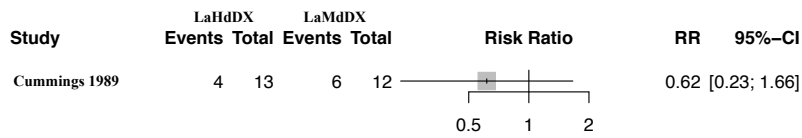
eFigure 38. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sepsis

Comparator	Treatment														
	ITBUD	LaLdDX	LHC	EIFLUT	MoHdDX	MoMdDX	PLACEBO	LaHdDX	LIBEC	EIBEC	MoLdDX	EHC	EIBUD	LIBUD	LaMdDX
ITBUD		1.11 (0.49, 2.14)	1.13 (0.64, 1.87)	1.15 (0.55, 2.15)	1.19 (0.58, 2.18)	1.26 (0.53, 2.52)	1.30 (0.81, 2.01)	1.39 (0.58, 2.80)	1.39 (0.61, 2.71)	1.36 (0.73, 2.35)	1.64 (0.47, 4.24)	1.40 (0.80, 2.23)	1.42 (0.80, 2.31)	1.65 (0.79, 2.98)	1.81 (0.92, 3.21)
LaLdDX	1.04 (0.47, 2.04)		1.12 (0.56, 2.07)	1.14 (0.49, 2.28)	1.18 (0.52, 2.34)	1.24 (0.48, 2.64)	1.28 (0.69, 2.24)	1.38 (0.53, 3.04)	1.37 (0.55, 2.95)	1.34 (0.64, 2.55)	1.61 (0.45, 4.22)	1.38 (0.70, 2.52)	1.40 (0.70, 2.56)	1.63 (0.71, 3.22)	1.78 (0.83, 3.48)
LHC	0.95 (0.54, 1.56)	1.00 (0.48, 1.79)		1.04 (0.54, 1.78)	1.07 (0.59, 1.78)	1.13 (0.54, 2.09)	1.17 (0.87, 1.55)	1.25 (0.57, 2.36)	1.25 (0.60, 2.31)	1.22 (0.74, 1.93)	1.48 (0.47, 3.64)	1.26 (0.83, 1.77)	1.28 (0.83, 1.84)	1.49 (0.79, 2.46)	1.63 (0.94, 2.63)
EIFLUT	0.98 (0.46, 1.82)	1.03 (0.44, 2.04)	1.05 (0.56, 1.84)		1.11 (0.51, 2.11)	1.17 (0.49, 2.38)	1.21 (0.70, 1.97)	1.29 (0.52, 2.71)	1.29 (0.54, 2.64)	1.26 (0.64, 2.25)	1.52 (0.44, 3.99)	1.30 (0.70, 2.19)	1.32 (0.71, 2.26)	1.54 (0.71, 2.88)	1.68 (0.83, 3.11)
MoHdDX	0.94 (0.46, 1.73)	0.99 (0.43, 1.94)	1.01 (0.56, 1.70)	1.03 (0.47, 1.97)		1.08 (0.56, 1.91)	1.16 (0.71, 1.82)	1.23 (0.52, 2.46)	1.23 (0.53, 2.43)	1.21 (0.64, 2.14)	1.41 (0.47, 3.33)	1.25 (0.71, 2.04)	1.26 (0.72, 2.10)	1.47 (0.71, 2.71)	1.61 (0.82, 2.90)
MoMdDX	0.93 (0.40, 1.89)	0.97 (0.38, 2.08)	1.00 (0.48, 1.84)	1.01 (0.42, 2.05)	1.02 (0.52, 1.77)		1.14 (0.59, 2.01)	1.22 (0.46, 2.61)	1.22 (0.48, 2.58)	1.19 (0.54, 2.30)	1.30 (0.57, 2.59)	1.23 (0.60, 2.22)	1.25 (0.61, 2.24)	1.44 (0.62, 2.79)	1.58 (0.73, 3.01)
PLACEBO	0.81 (0.50, 1.23)	0.85 (0.45, 1.44)	0.87 (0.64, 1.16)	0.89 (0.51, 1.43)	0.92 (0.55, 1.42)	0.97 (0.50, 1.70)		1.07 (0.52, 1.92)	1.07 (0.55, 1.86)	1.05 (0.71, 1.51)	1.26 (0.42, 3.00)	1.08 (0.83, 1.33)	1.09 (0.81, 1.40)	1.27 (0.74, 1.97)	1.39 (0.89, 2.08)
LaHdDX	0.84 (0.36, 1.73)	0.89 (0.33, 1.90)	0.91 (0.42, 1.76)	0.92 (0.37, 1.92)	0.95 (0.41, 1.93)	1.00 (0.38, 2.18)	1.04 (0.52, 1.92)		1.06 (0.54, 1.95)	1.09 (0.48, 2.19)	1.30 (0.35, 3.45)	1.12 (0.53, 2.11)	1.13 (0.54, 2.13)	1.31 (0.57, 2.57)	1.43 (0.67, 2.71)
LIBEC	0.83 (0.37, 1.65)	0.88 (0.34, 1.83)	0.90 (0.43, 1.66)	0.91 (0.38, 1.85)	0.94 (0.41, 1.87)	0.99 (0.39, 2.09)	1.03 (0.54, 1.82)	1.05 (0.51, 1.85)		1.07 (0.49, 2.07)	1.28 (0.35, 3.21)	1.11 (0.55, 2.03)	1.12 (0.55, 2.04)	1.30 (0.56, 2.53)	1.42 (0.65, 2.69)
EIBEC	0.81 (0.42, 1.37)	0.84 (0.39, 1.56)	0.87 (0.52, 1.35)	0.88 (0.44, 1.55)	0.91 (0.47, 1.57)	0.96 (0.43, 1.84)	0.99 (0.66, 1.42)	1.06 (0.46, 2.07)	1.06 (0.48, 2.03)		1.25 (0.38, 3.06)	1.07 (0.65, 1.59)	1.09 (0.65, 1.66)	1.26 (0.63, 2.19)	1.38 (0.75, 2.35)
MoLdDX	0.83 (0.24, 2.11)	0.86 (0.24, 2.24)	0.89 (0.27, 2.15)	0.90 (0.25, 2.27)	0.91 (0.30, 2.12)	0.89 (0.39, 1.76)	1.02 (0.33, 2.37)	1.08 (0.29, 2.88)	1.08 (0.31, 2.90)	1.06 (0.33, 2.62)		1.10 (0.34, 2.58)	1.11 (0.35, 2.65)	1.28 (0.37, 3.18)	1.40 (0.43, 3.42)
EHC	0.76 (0.45, 1.25)	0.80 (0.40, 1.43)	0.82 (0.57, 1.21)	0.84 (0.46, 1.42)	0.86 (0.49, 1.42)	0.91 (0.45, 1.67)	0.94 (0.75, 1.21)	1.01 (0.47, 1.89)	1.01 (0.49, 1.83)	0.98 (0.63, 1.54)	1.19 (0.39, 2.92)		1.03 (0.72, 1.46)	1.20 (0.68, 1.95)	1.31 (0.79, 2.11)
EIBUD	0.76 (0.43, 1.25)	0.79 (0.39, 1.42)	0.81 (0.54, 1.20)	0.83 (0.44, 1.40)	0.85 (0.48, 1.40)	0.90 (0.45, 1.64)	0.93 (0.72, 1.23)	0.99 (0.47, 1.84)	0.99 (0.49, 1.83)	0.97 (0.60, 1.53)	1.17 (0.38, 2.87)	1.00 (0.69, 1.39)		1.16 (0.73, 1.73)	1.28 (0.86, 1.86)
LIBUD	0.68 (0.34, 1.27)	0.71 (0.31, 1.41)	0.73 (0.41, 1.26)	0.74 (0.35, 1.41)	0.77 (0.37, 1.42)	0.80 (0.36, 1.61)	0.84 (0.51, 1.34)	0.88 (0.39, 1.76)	0.89 (0.39, 1.77)	0.88 (0.46, 1.59)	1.05 (0.31, 2.69)	0.90 (0.51, 1.48)	0.90 (0.58, 1.36)		1.13 (0.76, 1.68)
LaMdDX	0.61 (0.31, 1.09)	0.64 (0.29, 1.21)	0.66 (0.38, 1.06)	0.67 (0.32, 1.21)	0.69 (0.34, 1.22)	0.72 (0.33, 1.36)	0.75 (0.48, 1.12)	0.79 (0.37, 1.48)	0.80 (0.37, 1.53)	0.79 (0.43, 1.34)	0.94 (0.29, 2.34)	0.81 (0.47, 1.27)	0.81 (0.54, 1.16)	0.93 (0.59, 1.32)	

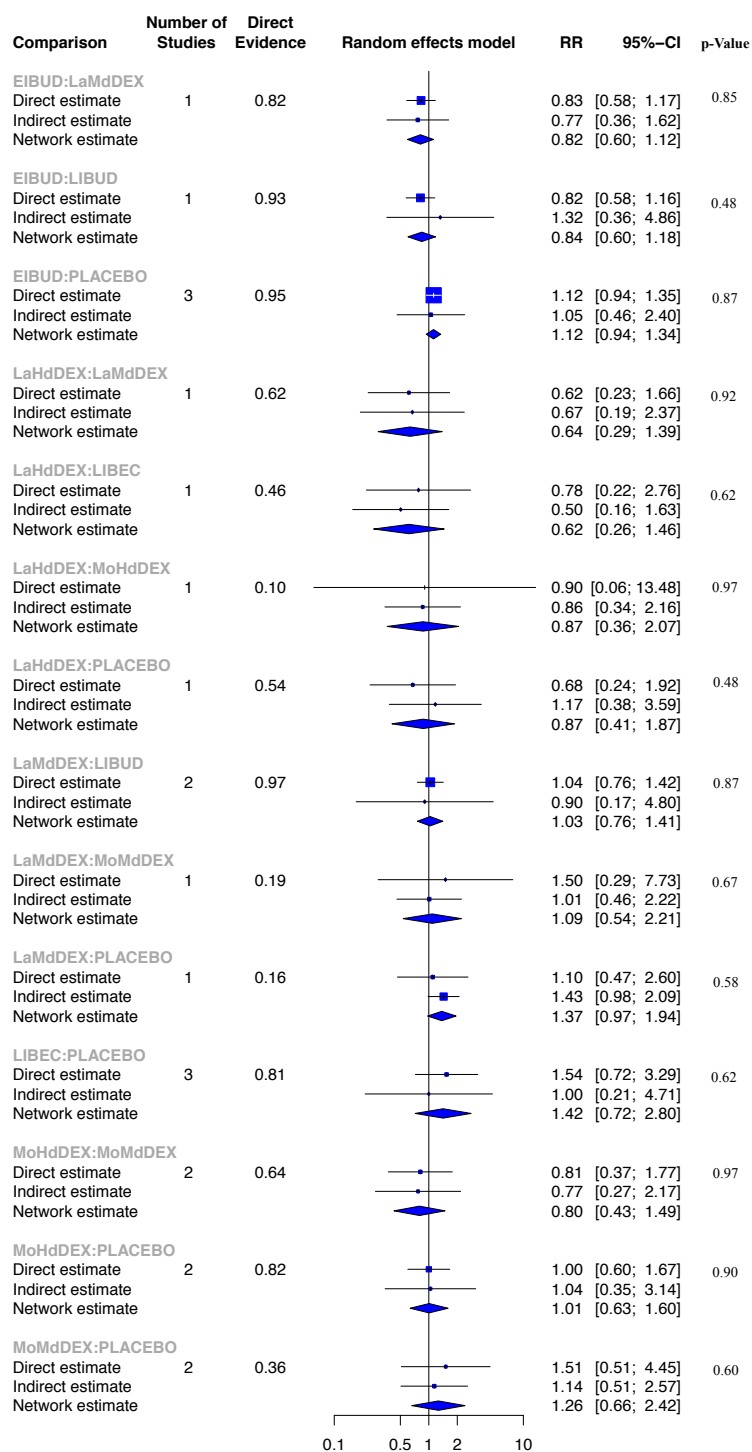
eFigure 39. Direct Evidence from the Pair Wise Comparisons for Sepsis



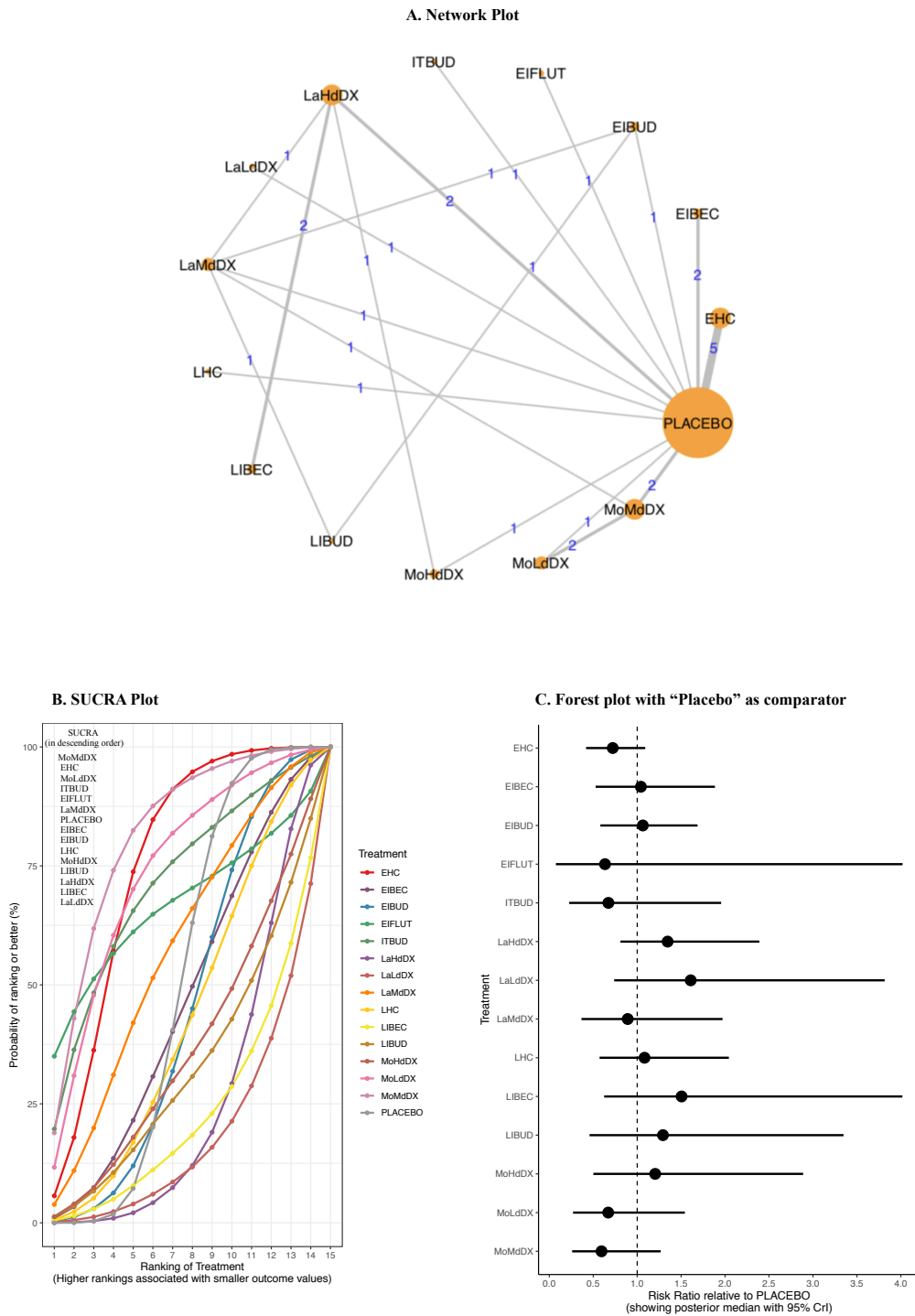




eFigure 40. Split Between Direct and Indirect Evidence for Sepsis



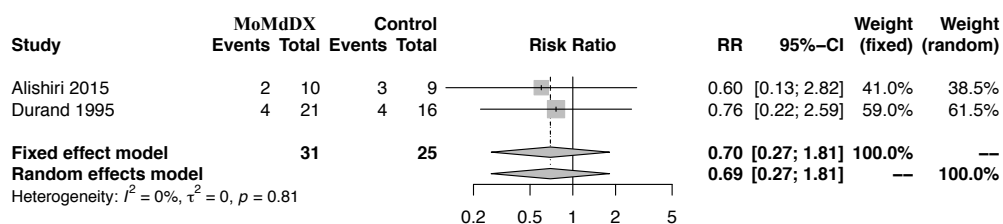
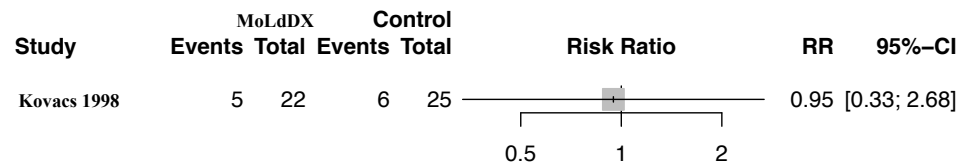
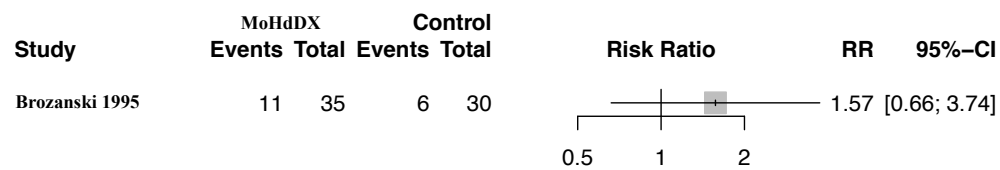
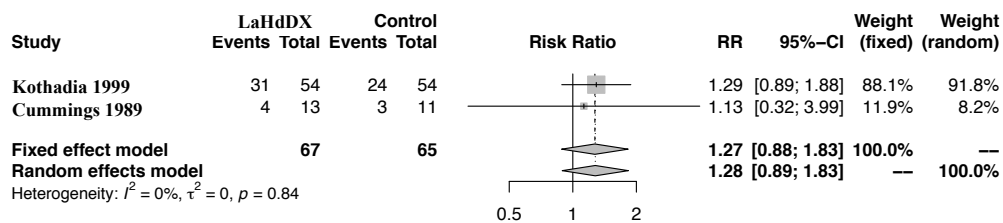
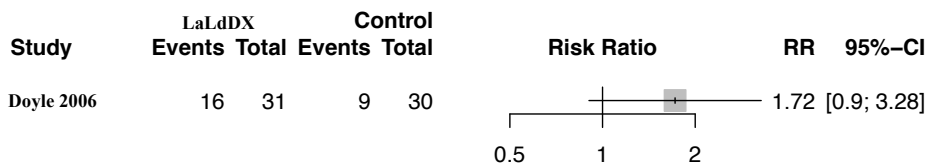
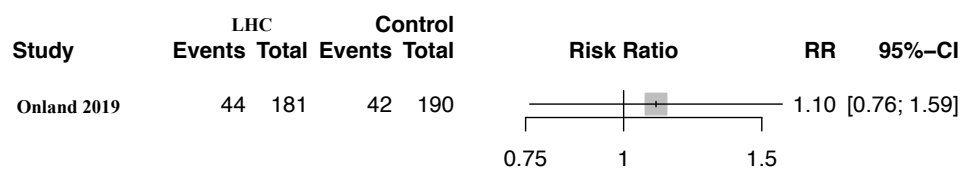
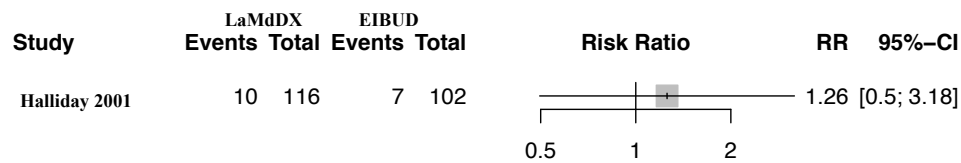
eFigure 41. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Severe ROP (C)

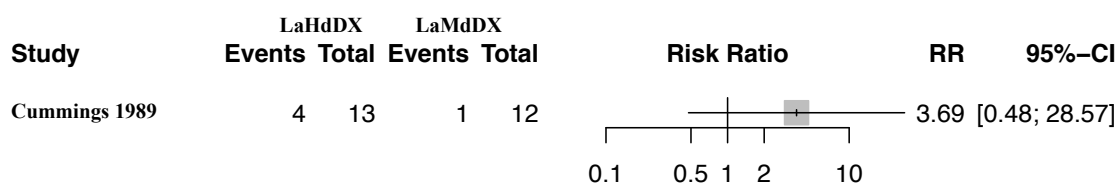
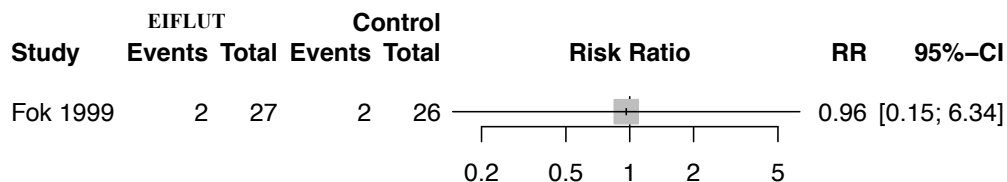
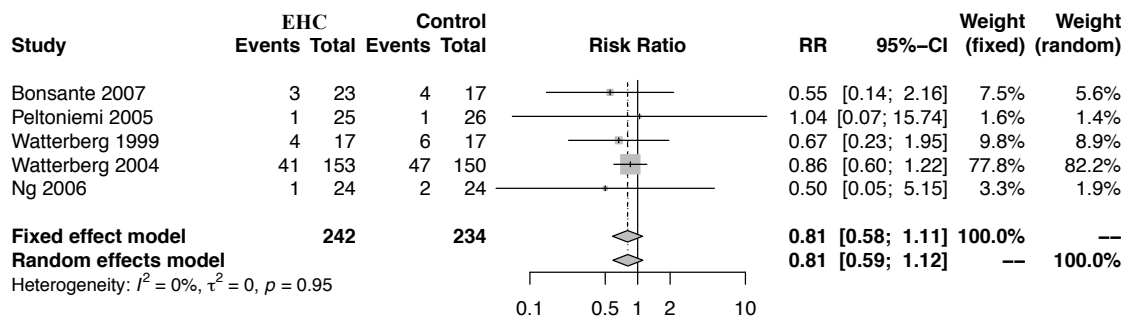
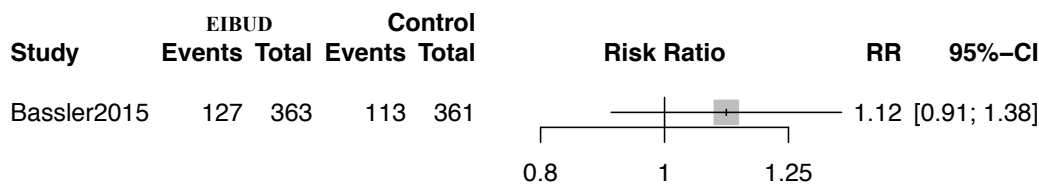
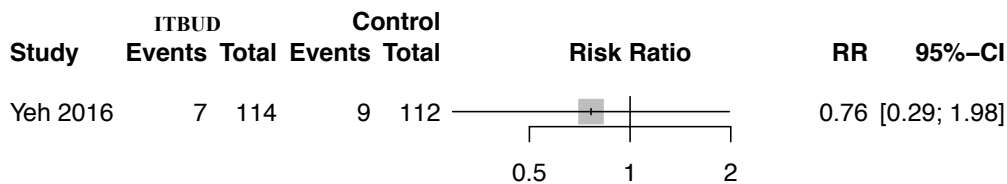
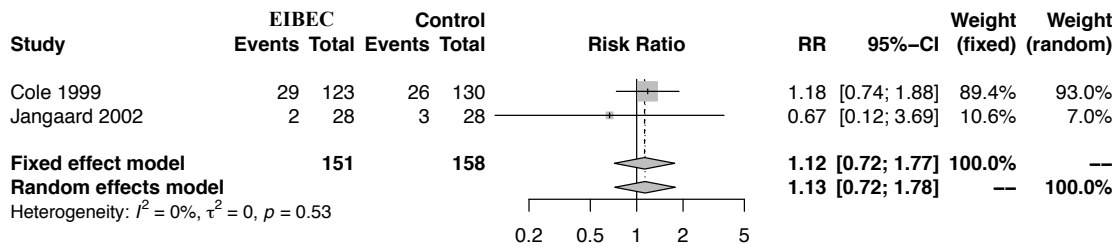
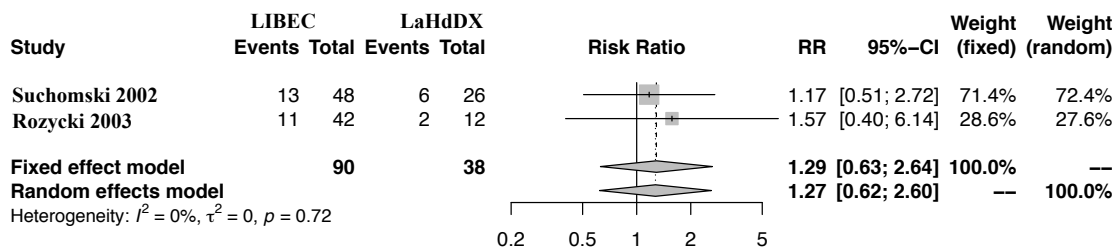


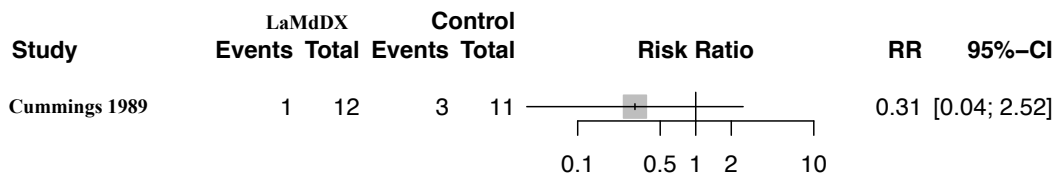
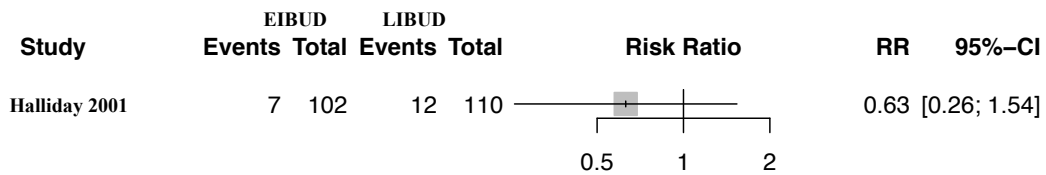
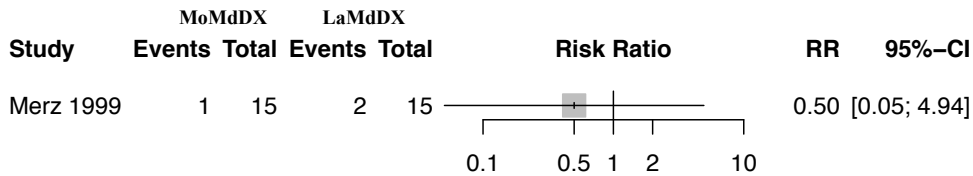
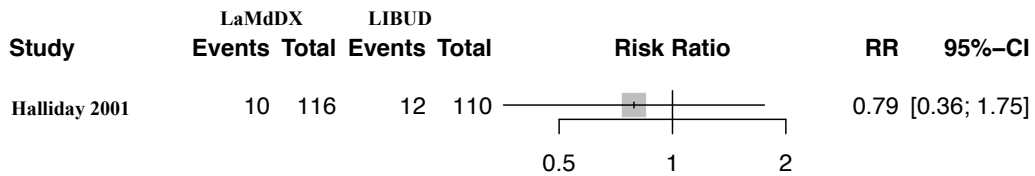
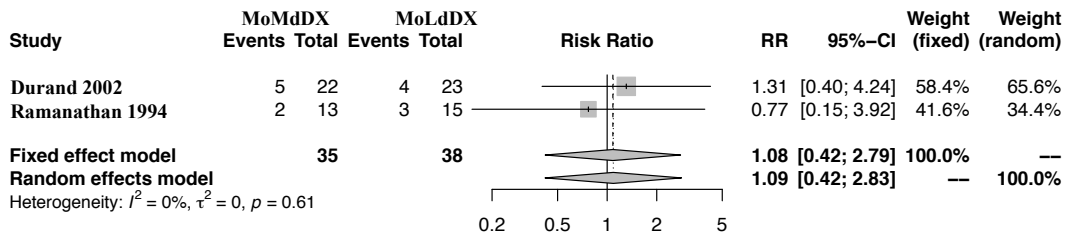
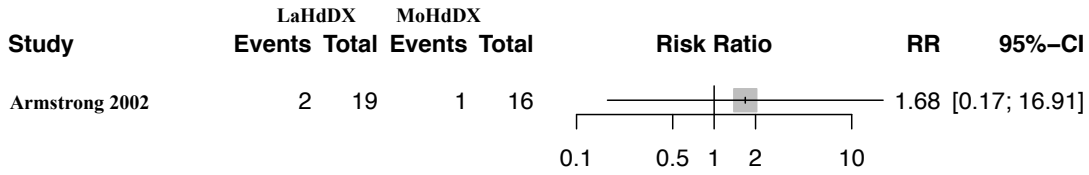
eFigure 42. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Severe ROP

Comparator	Treatment														
	MoMdDX	EHC	MoLdDX	ITBUD	EIFLUT	LaMdDX	PLACEBO	EIBEC	EIBUD	LHC	MoHdDX	LIBUD	LaHdDX	LIBEC	LaLdDX
MoMdDX		1.34 (0.49, 3.03)	1.23 (0.50, 2.54)	1.44 (0.30, 4.33)	1.83 (0.11, 7.84)	1.73 (0.53, 4.33)	1.84 (0.79, 3.85)	2.00 (0.65, 4.84)	1.98 (0.72, 4.50)	2.10 (0.69, 5.16)	2.45 (0.65, 6.73)	2.63 (0.64, 7.29)	2.60 (0.93, 6.10)	3.15 (0.79, 8.97)	3.29 (0.92, 8.83)
EHC	0.92 (0.33, 2.04)		1.06 (0.35, 2.50)	1.14 (0.29, 3.14)	1.46 (0.10, 6.09)	1.40 (0.48, 3.19)	1.45 (0.92, 2.39)	1.57 (0.67, 3.20)	1.56 (0.75, 3.01)	1.66 (0.73, 3.57)	1.93 (0.65, 4.67)	2.10 (0.60, 5.41)	2.05 (0.99, 4.26)	2.49 (0.80, 6.58)	2.59 (0.95, 6.24)
MoLdDX	0.97 (0.39, 2.01)	1.21 (0.40, 2.88)		1.30 (0.26, 4.08)	1.66 (0.10, 7.29)	1.58 (0.41, 4.26)	1.66 (0.65, 3.71)	1.80 (0.53, 4.56)	1.79 (0.59, 4.26)	1.90 (0.57, 4.93)	2.21 (0.54, 6.30)	2.39 (0.52, 6.91)	2.35 (0.77, 5.95)	2.86 (0.67, 8.56)	2.98 (0.76, 8.42)
ITBUD	1.11 (0.23, 3.31)	1.27 (0.32, 3.41)	1.27 (0.24, 3.88)		1.78 (0.08, 8.23)	1.68 (0.33, 5.10)	1.74 (0.51, 4.42)	1.88 (0.43, 5.30)	1.88 (0.46, 5.09)	1.99 (0.47, 5.70)	2.31 (0.45, 7.09)	2.52 (0.43, 8.10)	2.45 (0.62, 6.81)	2.99 (0.56, 9.79)	3.11 (0.64, 9.62)
EIFLUT	1.86 (0.13, 9.16)	2.12 (0.16, 10.06)	2.13 (0.14, 10.05)	2.33 (0.12, 11.98)		2.77 (0.18, 13.51)	2.91 (0.25, 13.39)	3.14 (0.23, 14.97)	3.13 (0.24, 14.69)	3.31 (0.24, 16.01)	3.88 (0.24, 18.70)	4.17 (0.24, 20.50)	4.11 (0.31, 19.83)	4.97 (0.30, 25.29)	5.16 (0.34, 25.65)
LaMdDX	0.77 (0.23, 1.89)	0.90 (0.31, 2.10)	0.89 (0.23, 2.42)	0.97 (0.20, 2.99)	1.25 (0.07, 5.45)		1.24 (0.51, 2.73)	1.34 (0.41, 3.33)	1.29 (0.53, 2.73)	1.42 (0.44, 3.61)	1.66 (0.42, 4.78)	1.61 (0.57, 3.67)	1.73 (0.64, 4.11)	2.10 (0.55, 6.08)	2.23 (0.60, 6.21)
PLACEBO	0.64 (0.26, 1.27)	0.73 (0.42, 1.09)	0.73 (0.27, 1.54)	0.78 (0.23, 1.96)	1.00 (0.07, 4.02)	0.97 (0.37, 1.97)		1.08 (0.53, 1.88)	1.08 (0.58, 1.69)	1.14 (0.57, 2.04)	1.33 (0.50, 2.89)	1.45 (0.46, 3.35)	1.41 (0.81, 2.39)	1.71 (0.62, 4.02)	1.78 (0.74, 3.82)
EIBEC	0.65 (0.21, 1.55)	0.74 (0.31, 1.48)	0.75 (0.22, 1.88)	0.80 (0.19, 2.31)	1.03 (0.07, 4.41)	0.99 (0.30, 2.43)	1.02 (0.53, 1.90)		1.10 (0.45, 2.30)	1.17 (0.44, 2.69)	1.36 (0.41, 3.49)	1.48 (0.39, 4.04)	1.45 (0.60, 3.25)	1.76 (0.50, 4.87)	1.83 (0.59, 4.65)
EIBUD	0.63 (0.22, 1.39)	0.72 (0.33, 1.33)	0.72 (0.23, 1.71)	0.78 (0.20, 2.16)	1.00 (0.07, 4.13)	0.92 (0.37, 1.90)	0.99 (0.59, 1.72)	1.07 (0.43, 2.23)		1.14 (0.47, 2.48)	1.32 (0.43, 3.20)	1.36 (0.48, 3.06)	1.40 (0.66, 2.96)	1.70 (0.54, 4.53)	1.78 (0.63, 4.33)
LHC	0.62 (0.19, 1.45)	0.71 (0.28, 1.38)	0.71 (0.20, 1.74)	0.76 (0.18, 2.14)	0.98 (0.06, 4.15)	0.94 (0.28, 2.28)	0.97 (0.49, 1.75)	1.05 (0.37, 2.25)	1.05 (0.40, 2.11)		1.30 (0.38, 3.27)	1.41 (0.35, 3.76)	1.37 (0.56, 2.98)	1.67 (0.47, 4.50)	1.74 (0.55, 4.37)
MoHdDX	0.58 (0.15, 1.53)	0.67 (0.21, 1.55)	0.67 (0.16, 1.85)	0.72 (0.14, 2.22)	0.92 (0.05, 4.15)	0.88 (0.21, 2.39)	0.92 (0.35, 2.00)	0.99 (0.29, 2.47)	0.99 (0.31, 2.34)	1.05 (0.31, 2.65)		1.33 (0.28, 3.91)	1.28 (0.43, 3.05)	1.55 (0.38, 4.48)	1.64 (0.42, 4.53)
LIBUD	0.56 (0.14, 1.56)	0.65 (0.18, 1.67)	0.65 (0.14, 1.92)	0.70 (0.12, 2.32)	0.90 (0.05, 4.12)	0.78 (0.27, 1.75)	0.90 (0.30, 2.19)	0.97 (0.25, 2.60)	0.92 (0.33, 2.06)	1.03 (0.27, 2.83)	1.19 (0.26, 3.63)		1.25 (0.37, 3.34)	1.52 (0.33, 4.72)	1.61 (0.36, 4.87)
LaHdDX	0.49 (0.16, 1.08)	0.56 (0.23, 1.01)	0.56 (0.17, 1.31)	0.60 (0.15, 1.61)	0.77 (0.05, 3.22)	0.73 (0.24, 1.56)	0.76 (0.42, 1.24)	0.83 (0.31, 1.66)	0.82 (0.34, 1.51)	0.87 (0.34, 1.79)	1.00 (0.33, 2.30)	1.09 (0.30, 2.68)		1.21 (0.55, 2.47)	1.36 (0.45, 3.23)
LIBEC	0.47 (0.11, 1.27)	0.53 (0.15, 1.25)	0.54 (0.12, 1.50)	0.57 (0.10, 1.79)	0.73 (0.04, 3.34)	0.70 (0.16, 1.83)	0.73 (0.25, 1.60)	0.79 (0.21, 1.99)	0.79 (0.22, 1.84)	0.84 (0.22, 2.12)	0.96 (0.22, 2.64)	1.05 (0.21, 3.02)	0.96 (0.41, 1.83)		1.30 (0.31, 3.58)
LaLdDX	0.43 (0.11, 1.09)	0.49 (0.16, 1.06)	0.49 (0.12, 1.31)	0.52 (0.10, 1.57)	0.67 (0.04, 2.91)	0.65 (0.16, 1.67)	0.67 (0.26, 1.36)	0.72 (0.22, 1.70)	0.72 (0.23, 1.59)	0.76 (0.23, 1.82)	0.89 (0.22, 2.39)	0.97 (0.21, 2.77)	0.94 (0.31, 2.22)	1.14 (0.28, 3.27)	

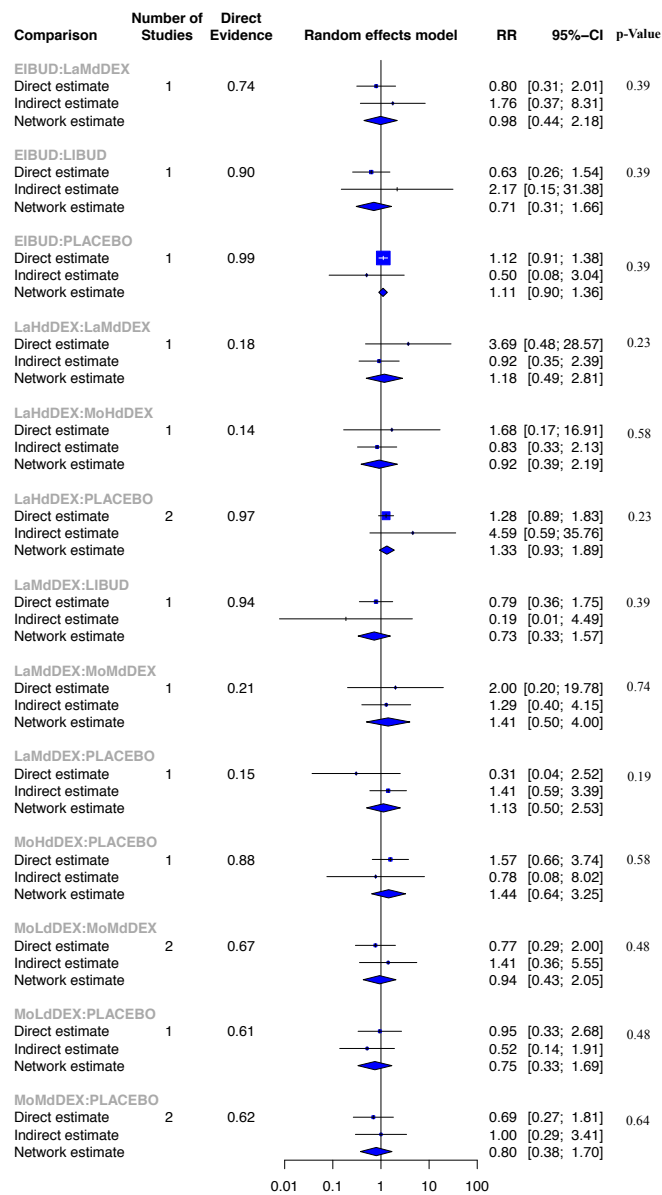
eFigure 43. Direct Evidence from the Pair Wise Comparisons for Severe ROP



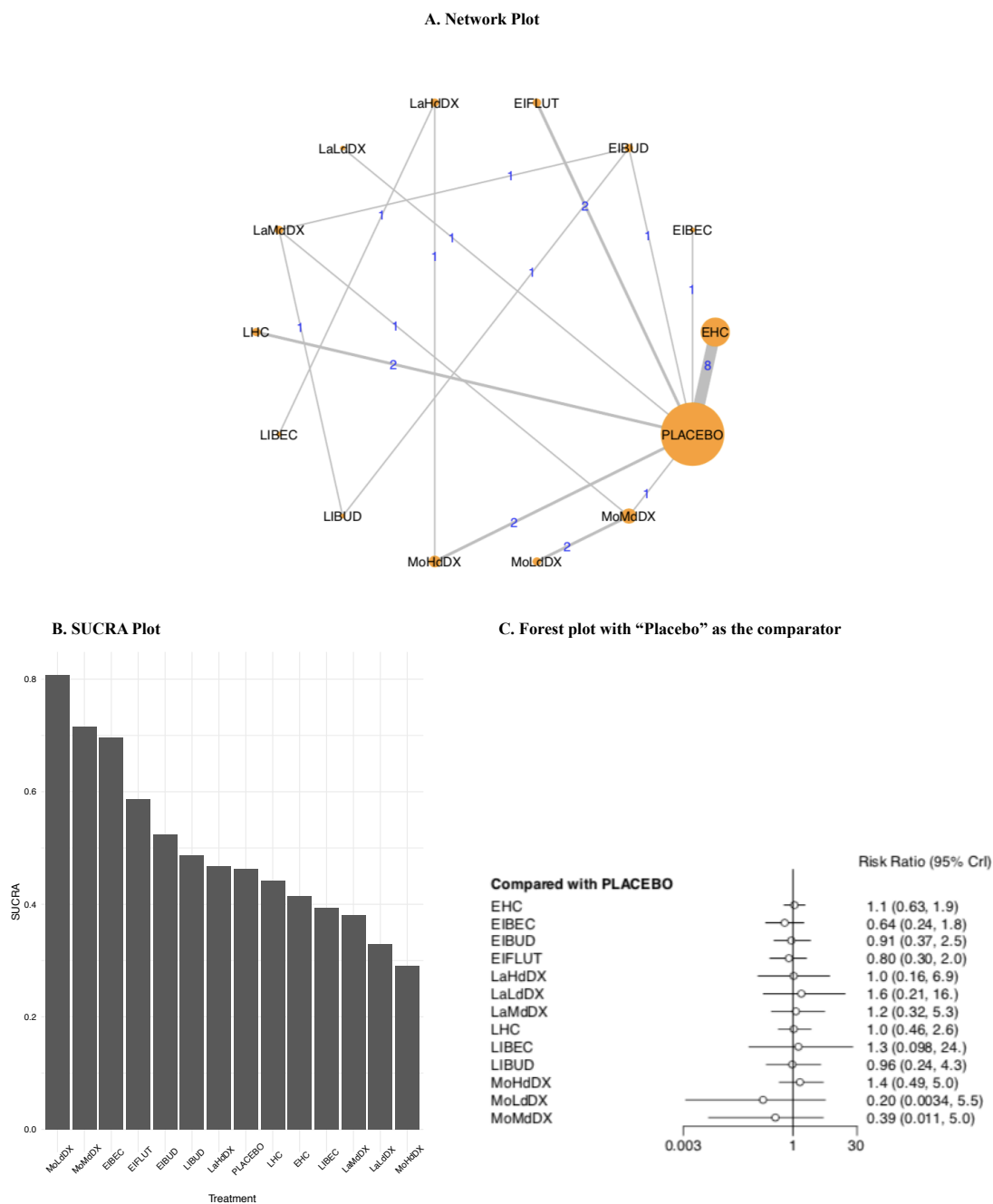




eFigure 44. Split Between Direct and Indirect Evidence for Severe ROP



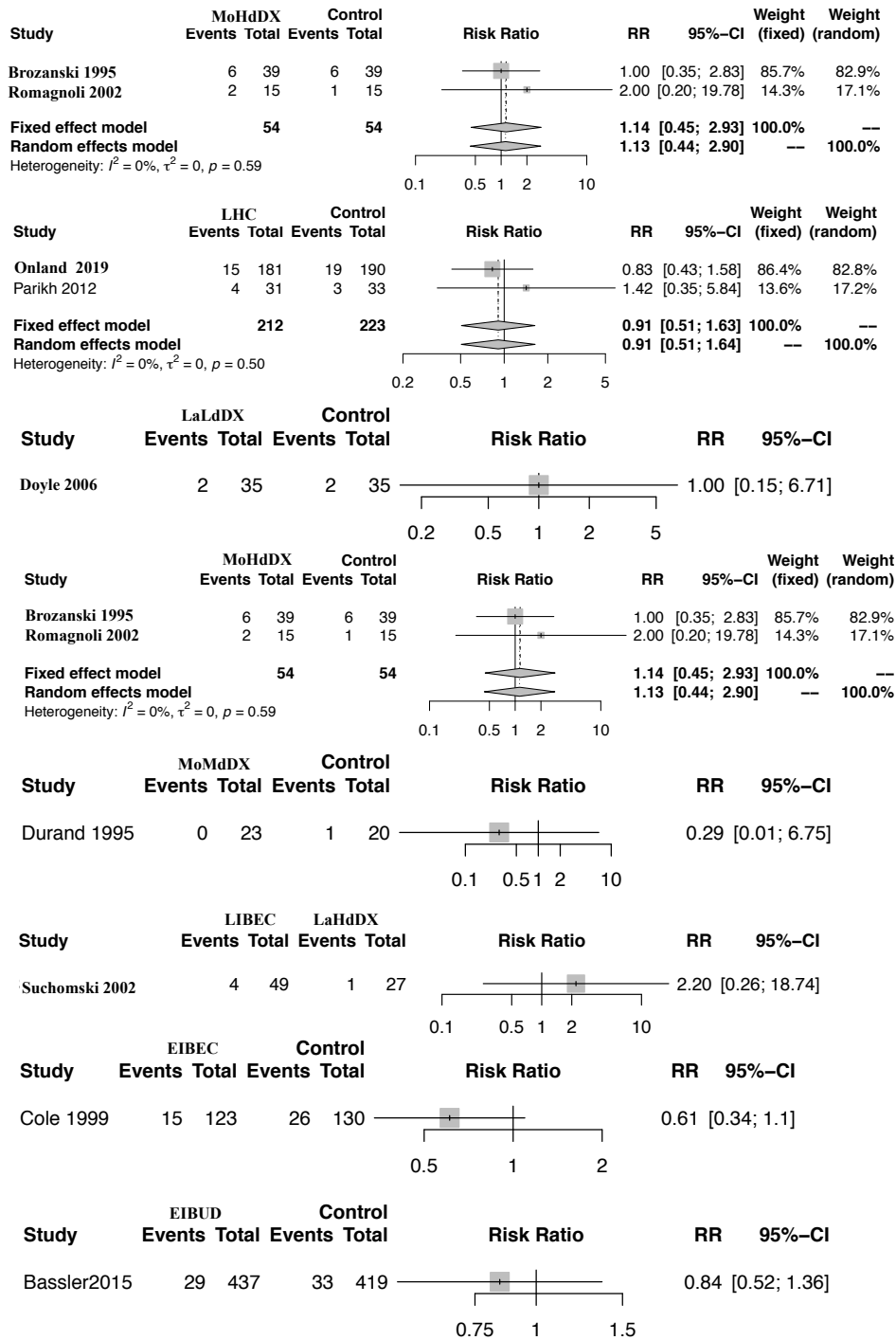
eFigure 45. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for NEC (C)

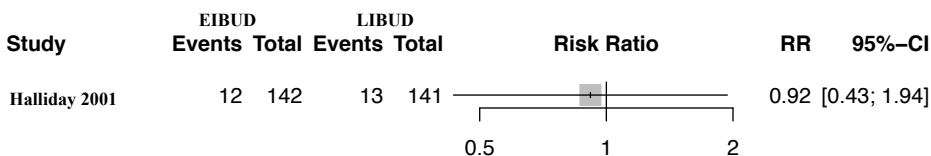
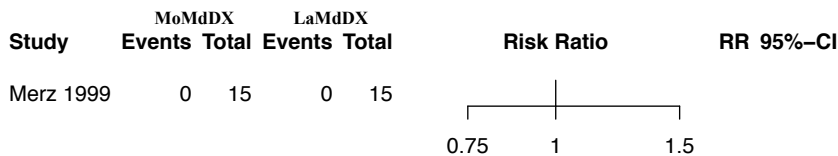
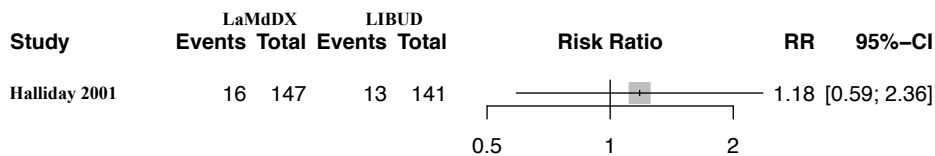
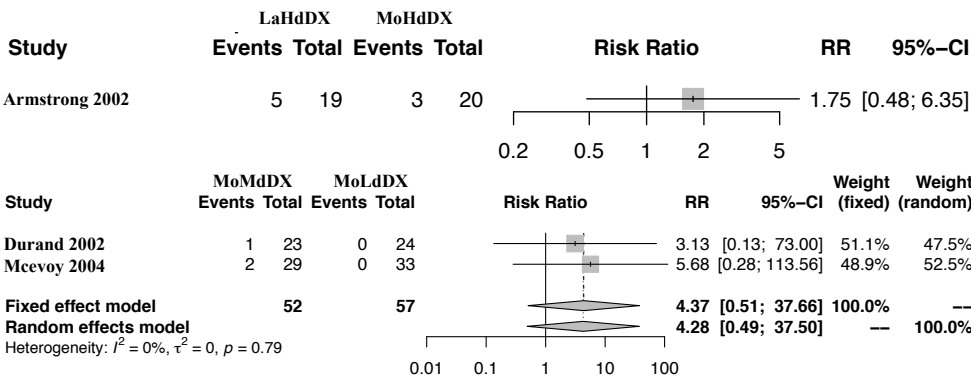
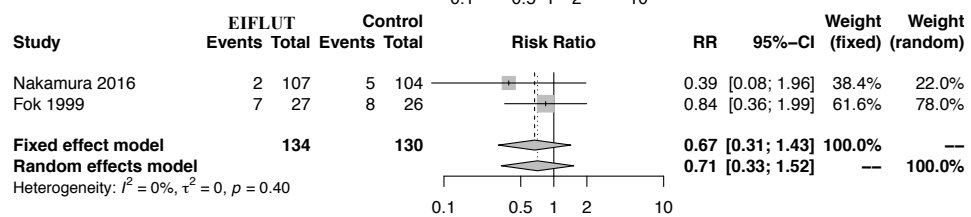
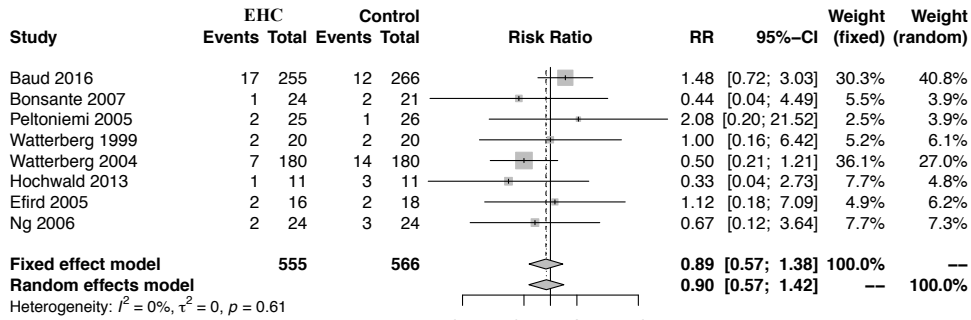


eFigure 46. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for NEC

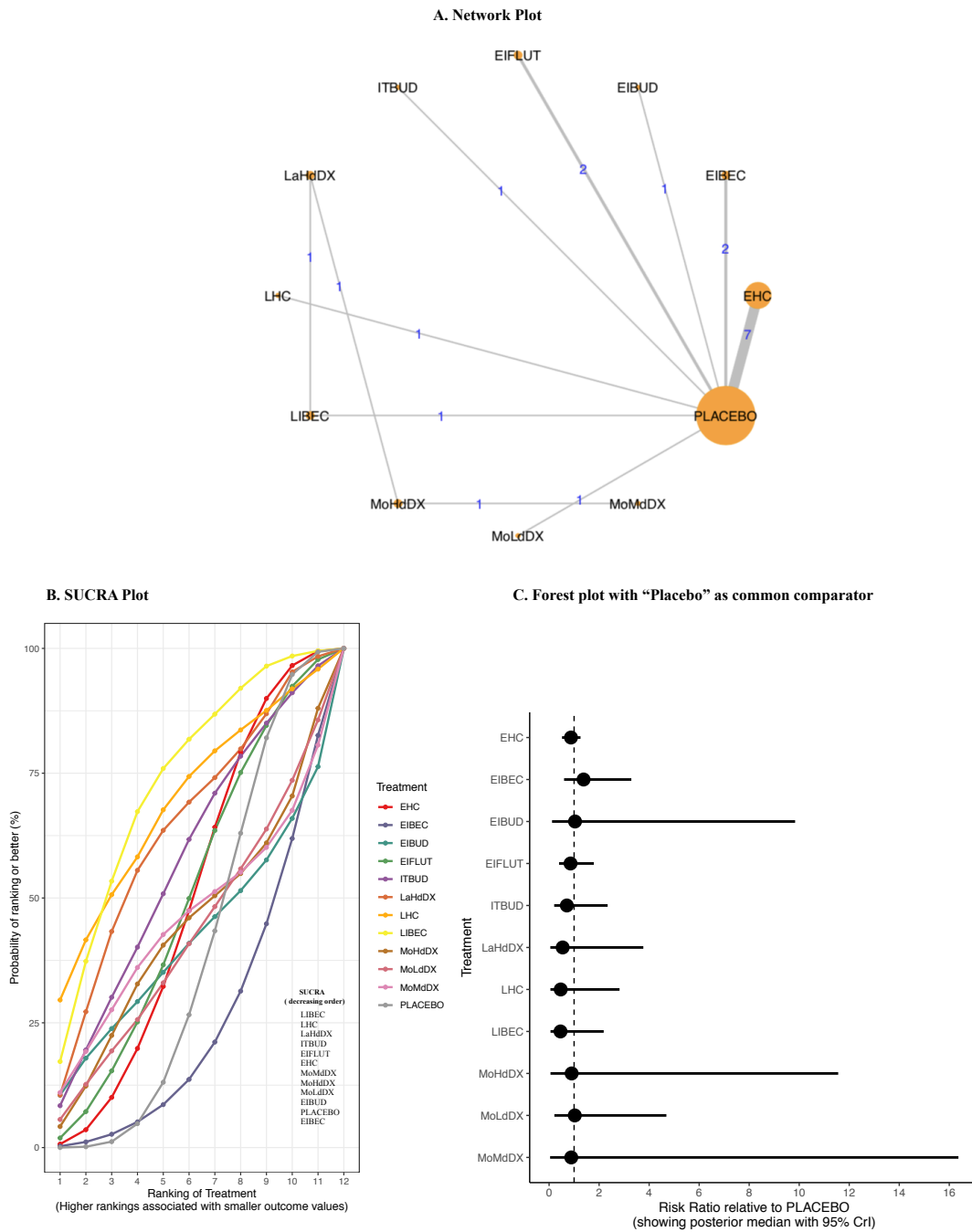
EHC	0.6 (0.19, 1.87)	0.85 (0.3, 2.62)	0.75 (0.24, 2.17)	0.96 (0.13, 6.88)	1.46 (0.18, 15.65)	1.09 (0.26, 5.44)	0.97 (0.37, 2.8)	1.24 (0.09, 23.28)	0.9 (0.2, 4.39)	1.35 (0.4, 5.11)	0.19 (0, 5.48)	0.36 (0.01, 4.86)	0.93 (0.54, 1.58)
1.68 (0.53, 5.24)	EIBEC	1.41 (0.38, 5.94)	1.25 (0.3, 4.71)	1.61 (0.19, 13.78)	2.44 (0.25, 30.94)	1.82 (0.36, 11.27)	1.61 (0.45, 6.46)	2.07 (0.13, 44.38)	1.5 (0.28, 9.39)	2.25 (0.52, 11.1)	0.31 (0, 10.19)	0.6 (0.02, 9.27)	1.56 (0.57, 4.23)
1.18 (0.38, 3.37)	0.71 (0.17, 2.66)	EIBUD	0.88 (0.22, 3.13)	1.13 (0.13, 9.03)	1.7 (0.18, 19.72)	1.28 (0.47, 3.95)	1.14 (0.32, 4.12)	1.46 (0.09, 29.25)	1.06 (0.36, 3.22)	1.58 (0.37, 7.1)	0.22 (0, 6.27)	0.43 (0.01, 5.68)	1.1 (0.4, 2.7)
1.34 (0.46, 4.17)	0.8 (0.21, 3.34)	1.14 (0.32, 4.63)	EHFLUT	1.3 (0.16, 10.97)	1.97 (0.21, 24.94)	1.46 (0.3, 9.11)	1.3 (0.38, 5.02)	1.68 (0.1, 34.07)	1.2 (0.24, 7.27)	1.8 (0.44, 8.87)	0.26 (0, 7.94)	0.49 (0.01, 7.45)	1.25 (0.49, 3.36)
1.04 (0.15, 7.43)	0.62 (0.07, 5.22)	0.89 (0.11, 7.41)	0.77 (0.09, 6.3)	LaHdDX	1.54 (0.1, 27.78)	1.15 (0.12, 12.39)	1.02 (0.13, 8.13)	1.27 (0.2, 11.71)	0.94 (0.09, 10.41)	1.39 (0.32, 6.66)	0.19 (0, 8.7)	0.36 (0.01, 8.68)	0.97 (0.15, 6.3)
0.69 (0.06, 5.59)	0.41 (0.03, 3.97)	0.59 (0.05, 5.6)	0.51 (0.04, 4.75)	0.65 (0.04, 10.3)	LaLdDX	0.75 (0.06, 9.32)	0.68 (0.06, 6.18)	0.86 (0.03, 26.58)	0.61 (0.04, 7.73)	0.92 (0.07, 9.75)	0.12 (0, 6.24)	0.23 (0, 6.3)	0.64 (0.06, 4.78)
0.92 (0.18, 3.81)	0.55 (0.09, 2.75)	0.78 (0.25, 2.15)	0.69 (0.11, 3.29)	0.87 (0.08, 8.34)	1.33 (0.11, 18.1)	LaMdDX	0.89 (0.16, 4.36)	1.13 (0.05, 24.44)	0.82 (0.27, 2.31)	1.22 (0.2, 7.04)	0.17 (0, 4.92)	0.33 (0.01, 4.62)	0.86 (0.19, 3.12)
1.03 (0.36, 2.73)	0.62 (0.15, 2.21)	0.88 (0.24, 3.1)	0.77 (0.2, 2.62)	0.98 (0.12, 7.59)	1.48 (0.16, 17.18)	1.12 (0.23, 6.11)	LHC	1.28 (0.08, 24.63)	0.93 (0.18, 4.98)	1.38 (0.34, 6)	0.19 (0, 5.74)	0.37 (0.01, 5.21)	0.96 (0.39, 2.17)
0.81 (0.04, 11.55)	0.48 (0.02, 7.73)	0.68 (0.03, 11.51)	0.59 (0.03, 9.7)	0.79 (0.09, 4.96)	1.17 (0.04, 39.46)	0.89 (0.04, 18.21)	0.78 (0.04, 12.76)	LIBEC	0.73 (0.03, 14.63)	1.08 (0.08, 12.01)	0.15 (0, 10.32)	0.28 (0, 11.26)	0.75 (0.04, 10.26)
1.11 (0.23, 4.91)	0.67 (0.11, 3.58)	0.94 (0.31, 2.79)	0.83 (0.14, 4.2)	1.06 (0.1, 11.2)	1.63 (0.13, 23.36)	1.21 (0.43, 3.67)	1.07 (0.2, 5.62)	1.37 (0.07, 31.43)	LIBUD	1.49 (0.24, 9.26)	0.21 (0, 6.61)	0.4 (0.01, 6.12)	1.04 (0.23, 4.11)
0.74 (0.2, 2.52)	0.45 (0.09, 1.93)	0.63 (0.14, 2.7)	0.56 (0.11, 2.26)	0.72 (0.15, 3.08)	1.08 (0.1, 13.54)	0.82 (0.14, 4.95)	0.72 (0.17, 2.94)	0.92 (0.08, 12.24)	0.67 (0.11, 4.16)	MoHdDX	0.14 (0, 4.45)	0.27 (0.01, 4.18)	0.69 (0.2, 2.06)
5.32 (0.18, 330.47)	3.19 (0.1, 205.63)	4.48 (0.16, 285.57)	3.88 (0.13, 249.64)	5.15 (0.11, 462.36)	8.03 (0.16, 797.65)	5.75 (0.2, 398.13)	5.16 (0.17, 331.58)	6.83 (0.1, 936.44)	4.72 (0.15, 336.81)	7.19 (0.22, 514.58)	MoLdDX	1.8 (0.25, 16.02)	4.91 (0.18, 295.76)
2.77 (0.21, 97.12)	1.67 (0.11, 65.27)	2.32 (0.18, 87.65)	2.04 (0.13, 83.06)	2.75 (0.12, 143.52)	4.29 (0.16, 254.21)	3.03 (0.22, 124.09)	2.71 (0.19, 105.59)	3.63 (0.09, 334.47)	2.49 (0.16, 105.09)	3.77 (0.24, 158.69)	0.56 (0.06, 4.01)	MoMdDX	2.55 (0.2, 87.74)
1.08 (0.63, 1.86)	0.64 (0.24, 1.75)	0.91 (0.37, 2.49)	0.8 (0.3, 2.02)	1.03 (0.16, 6.89)	1.56 (0.21, 15.79)	1.17 (0.32, 5.33)	1.04 (0.46, 2.59)	1.33 (0.1, 23.7)	0.96 (0.24, 4.32)	1.44 (0.49, 4.96)	0.2 (0, 5.54)	0.39 (0.01, 4.96)	PLACEBO

eFigure 47. Direct Evidence from the Pair Wise Comparisons for NEC





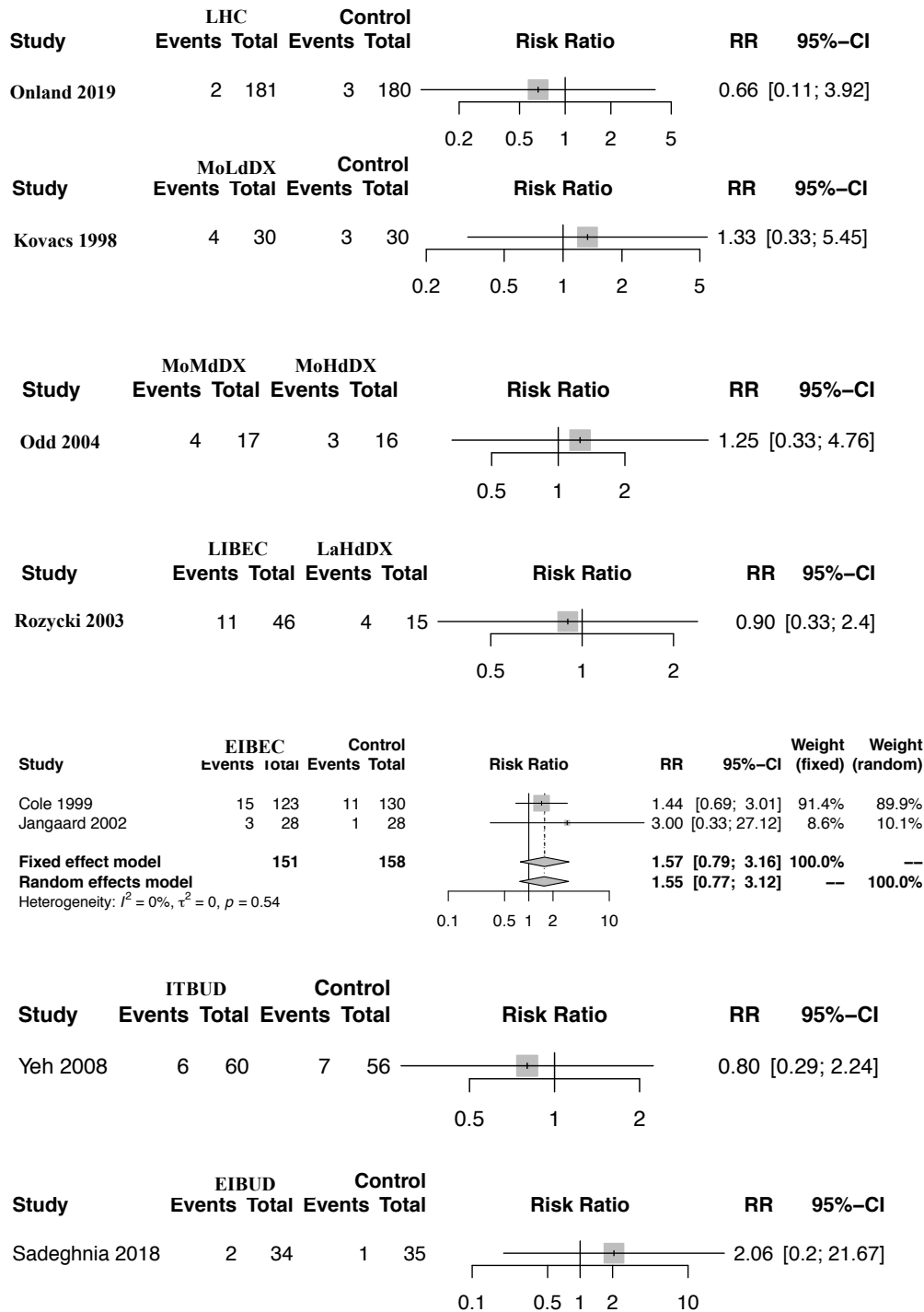
eFigure 48. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot (C) Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for IVH>II (C)

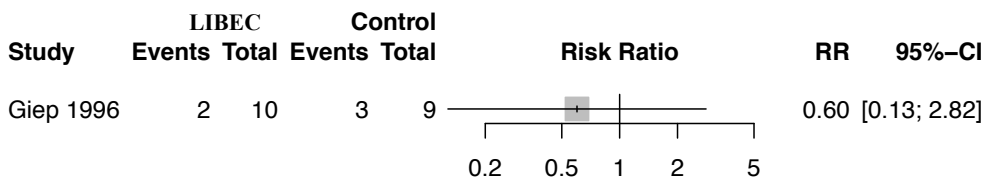
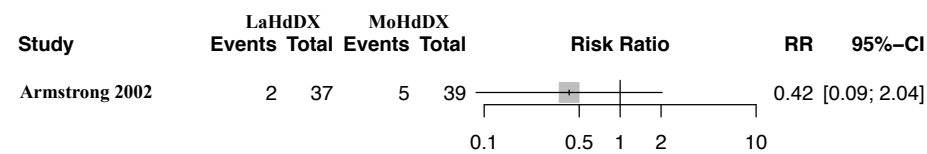
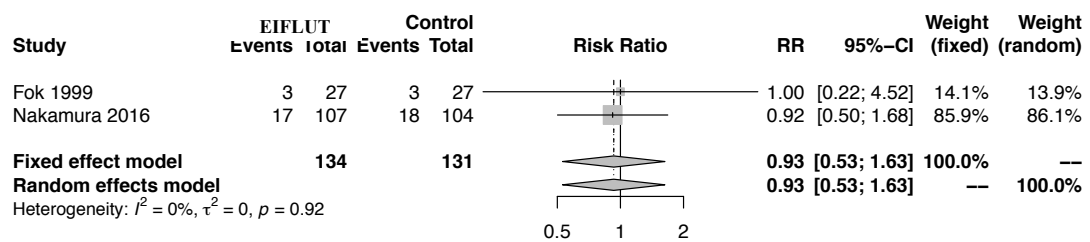
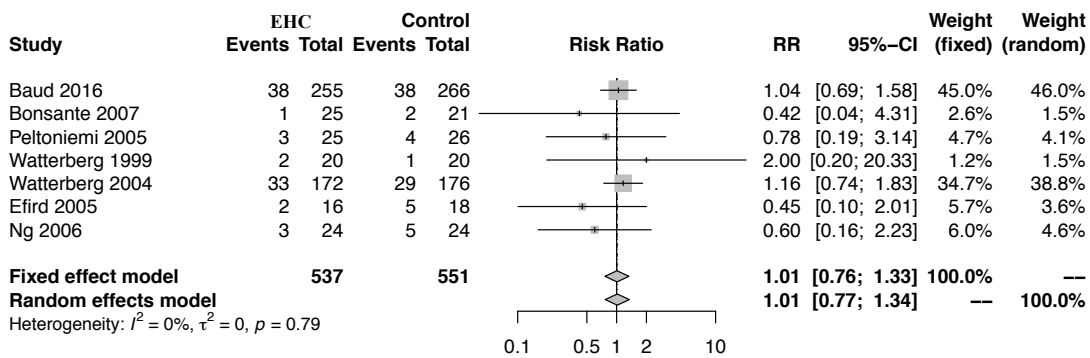


eFigure 49. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for IVH >II

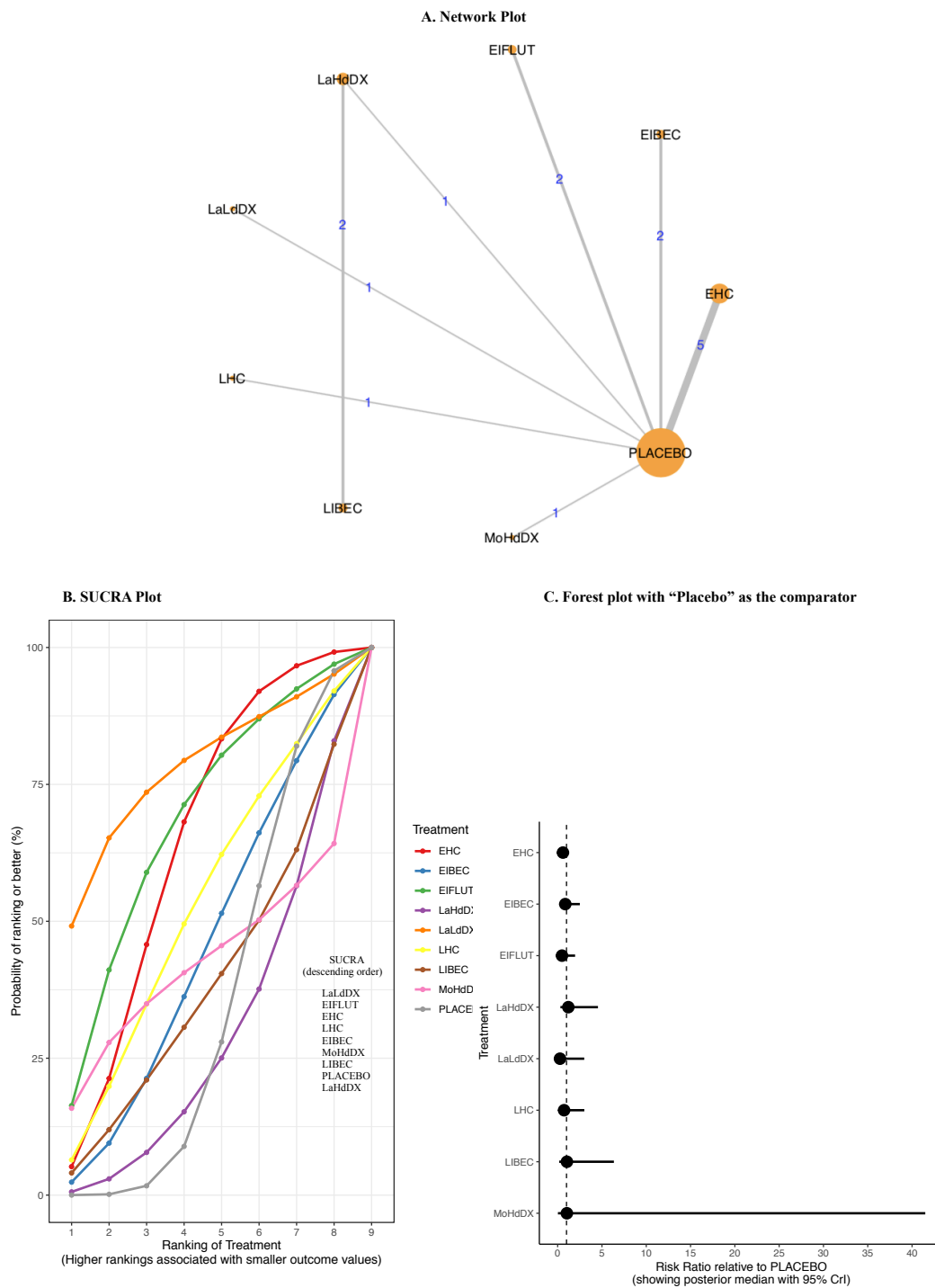
		Treatment											
		LIBEC	LHC	LaHdDX	ITBUD	EHC	EIFLUT	MoMdDX	MoHdDX	EIBUD	MoLdDX	PLACEBO	EIBEC
Comparator	LIBEC		2.77 (0.08, 14.88)	1.42 (0.37, 3.62)	3.42 (0.21, 16.89)	3.46 (0.36, 15.28)	3.59 (0.32, 17.30)	4.40 (0.19, 22.43)	3.42 (0.30, 14.69)	8.17 (0.15, 48.44)	5.37 (0.24, 28.70)	3.92 (0.46, 17.50)	5.97 (0.52, 28.17)
	LHC	2.42 (0.07, 12.96)		3.49 (0.06, 20.04)	3.47 (0.17, 18.32)	3.43 (0.29, 16.47)	3.62 (0.26, 17.56)	10.70 (0.05, 67.32)	8.30 (0.07, 50.78)	7.91 (0.14, 50.02)	5.43 (0.21, 30.20)	3.93 (0.35, 18.69)	5.97 (0.40, 29.74)
	LaHdDX	0.99 (0.28, 2.74)	2.76 (0.05, 16.10)		3.47 (0.13, 19.10)	3.45 (0.21, 17.47)	3.59 (0.19, 19.06)	3.08 (0.21, 14.32)	2.40 (0.37, 8.70)	8.25 (0.10, 52.47)	5.34 (0.15, 30.80)	3.91 (0.27, 20.00)	5.92 (0.31, 31.21)
	ITBUD	1.09 (0.06, 4.80)	1.24 (0.05, 6.04)	1.57 (0.05, 7.89)		1.51 (0.33, 4.35)	1.58 (0.29, 5.10)	4.92 (0.04, 30.35)	3.82 (0.06, 22.61)	3.61 (0.12, 19.55)	2.40 (0.20, 10.19)	1.72 (0.43, 4.91)	2.64 (0.46, 8.98)
	EHC	0.75 (0.07, 2.77)	0.85 (0.06, 3.50)	1.09 (0.06, 4.73)	1.03 (0.23, 3.07)		1.10 (0.43, 2.47)	3.38 (0.05, 19.90)	2.63 (0.06, 14.32)	2.52 (0.13, 12.30)	1.67 (0.24, 5.91)	1.20 (0.80, 1.94)	1.83 (0.65, 4.49)
	EIFLUT	0.80 (0.06, 3.13)	0.90 (0.06, 3.82)	1.15 (0.05, 5.21)	1.08 (0.20, 3.40)	1.10 (0.41, 2.30)		3.53 (0.04, 21.01)	2.76 (0.06, 15.02)	2.65 (0.12, 13.20)	1.76 (0.21, 6.62)	1.26 (0.56, 2.52)	1.93 (0.54, 5.25)
	MoMdDX	1.05 (0.04, 5.33)	2.79 (0.01, 18.95)	1.06 (0.07, 4.78)	3.62 (0.03, 23.56)	3.49 (0.05, 21.43)	3.67 (0.05, 23.06)		1.35 (0.23, 4.42)	8.56 (0.03, 55.49)	5.73 (0.04, 36.79)	3.98 (0.06, 24.61)	6.01 (0.08, 37.42)
	MoHdDX	0.78 (0.07, 3.28)	2.09 (0.02, 14.10)	0.79 (0.11, 2.69)	2.62 (0.04, 16.40)	2.58 (0.07, 15.46)	2.70 (0.07, 16.32)	1.29 (0.23, 4.27)		6.03 (0.04, 42.23)	4.08 (0.06, 26.88)	2.94 (0.09, 17.79)	4.44 (0.10, 26.62)
	EIBUD	1.16 (0.02, 6.62)	1.28 (0.02, 7.37)	1.75 (0.02, 9.92)	1.55 (0.05, 8.06)	1.59 (0.08, 7.49)	1.68 (0.08, 8.25)	5.84 (0.02, 32.06)	4.42 (0.02, 25.42)		2.54 (0.06, 13.98)	1.83 (0.10, 8.48)	2.79 (0.12, 13.80)
	MoLdDX	0.85 (0.03, 4.15)	0.94 (0.03, 4.83)	1.23 (0.03, 6.48)	1.14 (0.10, 4.96)	1.17 (0.17, 4.22)	1.23 (0.15, 4.78)	3.81 (0.03, 24.62)	2.95 (0.04, 17.42)	2.95 (0.07, 16.22)		1.34 (0.21, 4.74)	2.05 (0.23, 8.19)
	PLACEBO	0.62 (0.06, 2.18)	0.71 (0.05, 2.82)	0.90 (0.05, 3.77)	0.85 (0.20, 2.34)	0.88 (0.52, 1.26)	0.92 (0.40, 1.79)	2.74 (0.04, 16.37)	2.15 (0.06, 11.56)	2.08 (0.12, 9.84)	1.39 (0.21, 4.69)		1.52 (0.60, 3.29)
	EIBEC	0.49 (0.04, 1.92)	0.56 (0.03, 2.47)	0.71 (0.03, 3.19)	0.68 (0.11, 2.19)	0.69 (0.22, 1.53)	0.73 (0.19, 1.85)	2.18 (0.03, 13.15)	1.68 (0.04, 9.54)	1.66 (0.07, 8.43)	1.10 (0.12, 4.32)	0.79 (0.30, 1.67)	

eFigure 50. Direct Evidence from the Pair Wise Comparisons for IVH >II

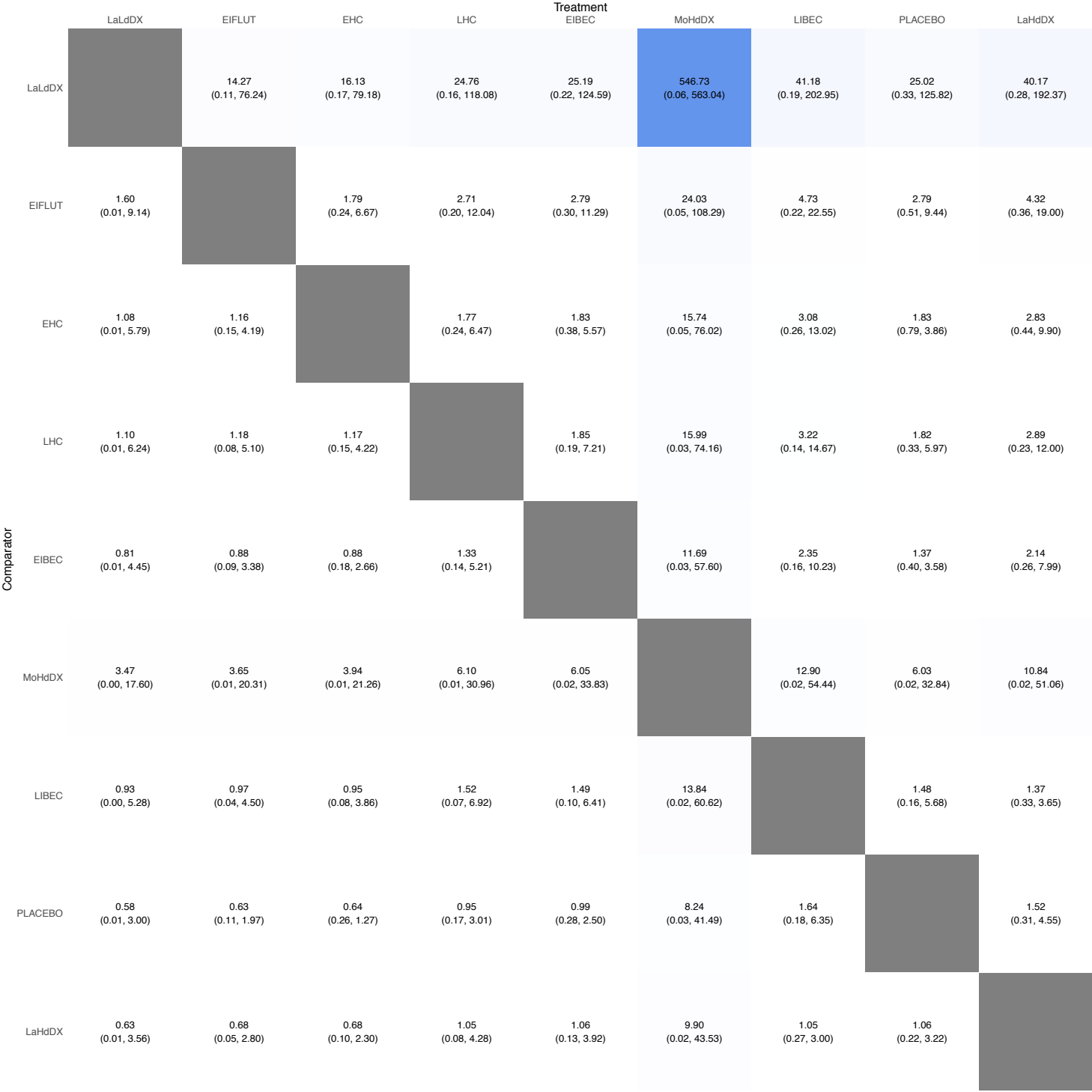




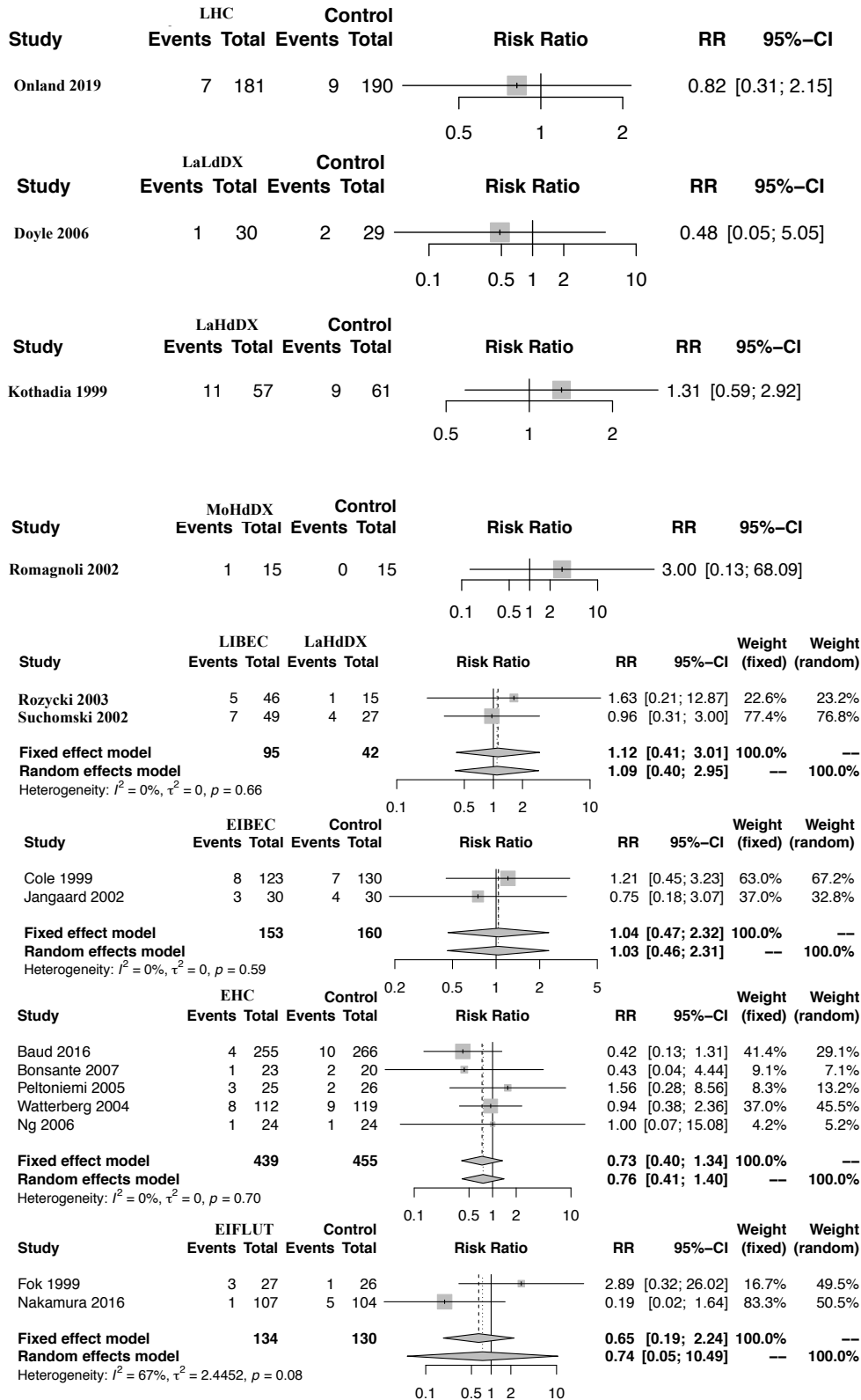
eFigure 51. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for PVL (C)



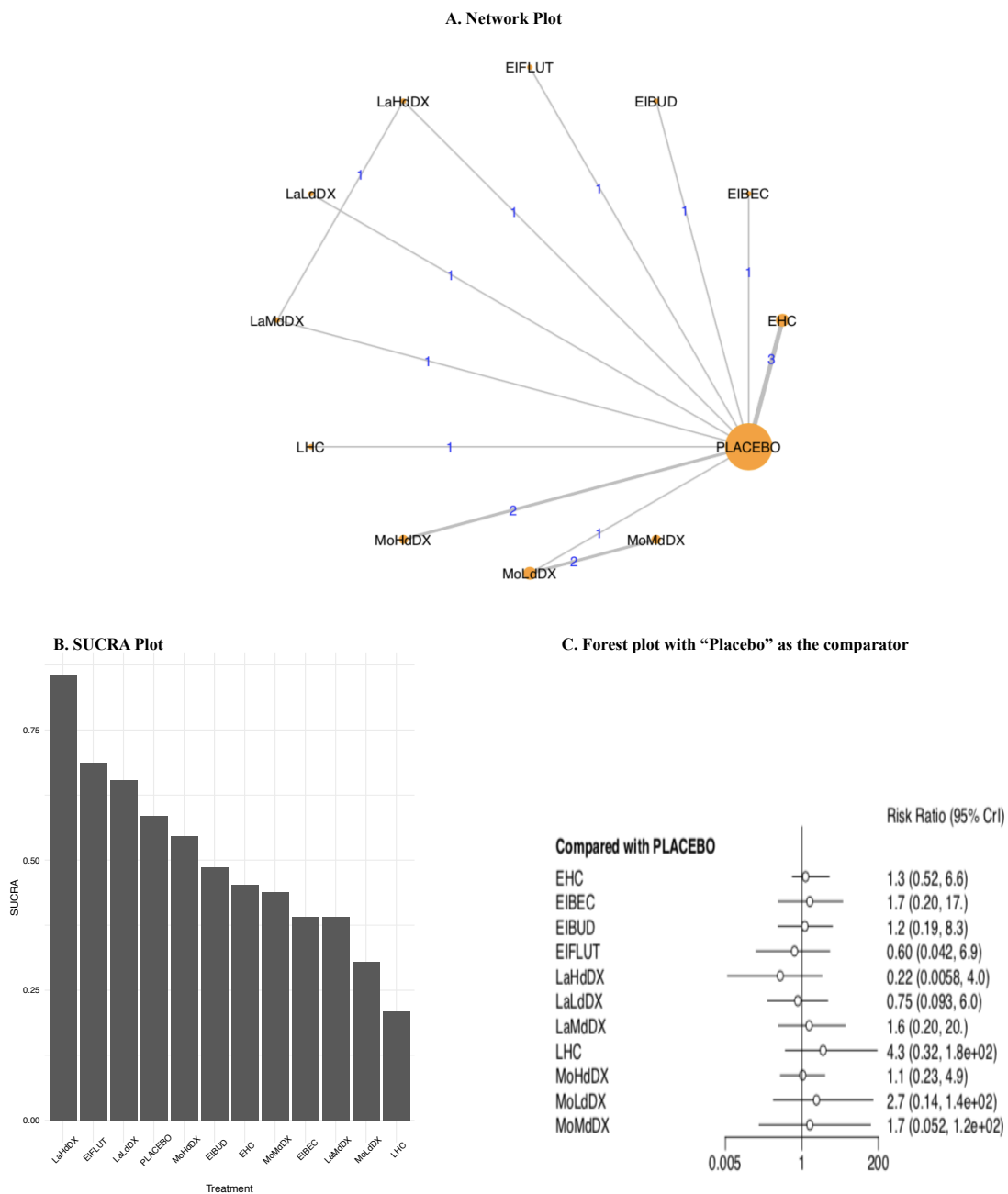
eFigure 52. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for PVL



eFigure 53. Direct Evidence from the Pair Wise Comparisons for PVL



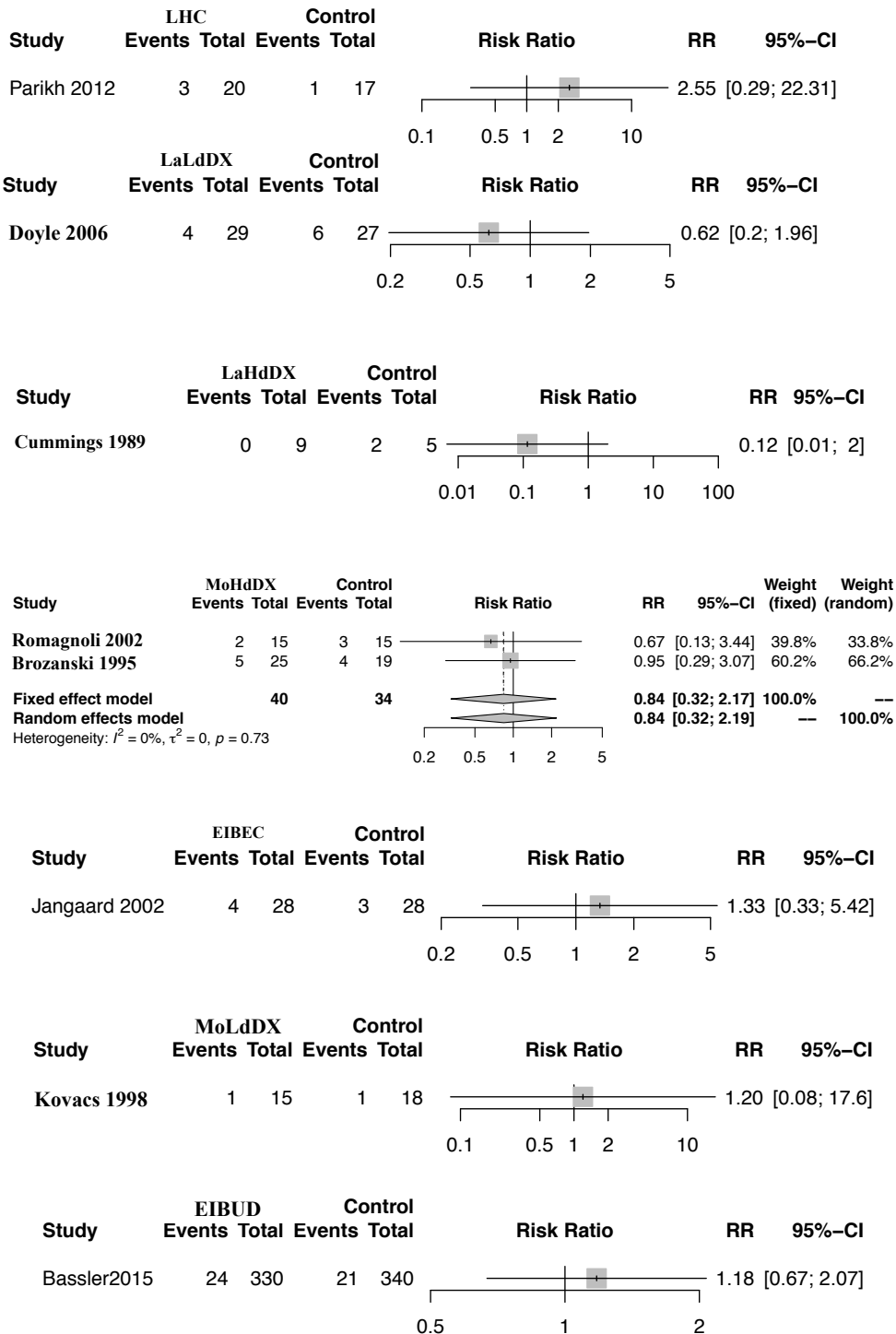
eFigure 54. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for CP (C)

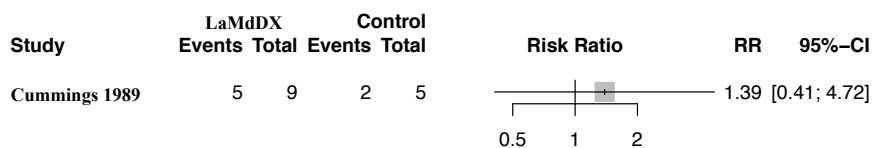
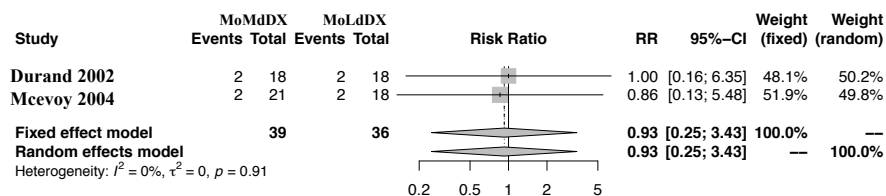
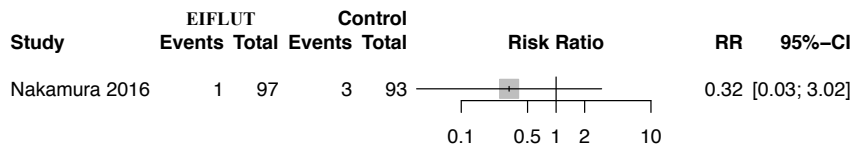
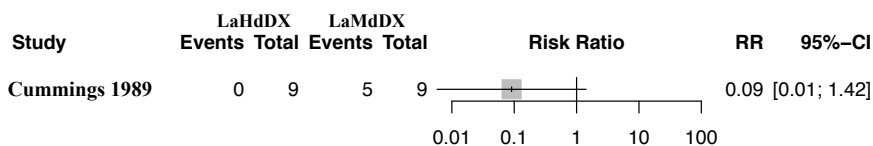
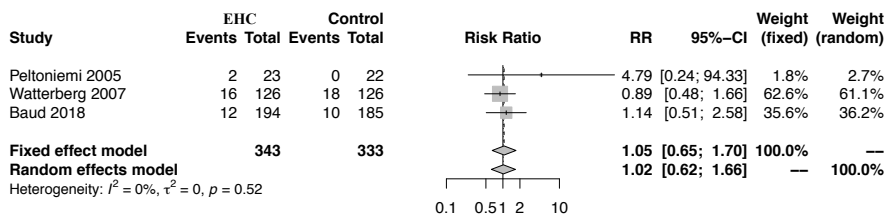


eFigure 55. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for CP

EHC	1.31 (0.08, 13.99)	0.96 (0.07, 6.33)	0.45 (0.02, 5.57)	0.16 (0, 3.3)	0.57 (0.04, 4.66)	1.26 (0.08, 16.2)	3.24 (0.14, 141.56)	0.81 (0.08, 4.28)	2.03 (0.06, 109.61)	1.29 (0.03, 87.89)	0.78 (0.15, 1.94)
0.76 (0.07, 12.93)	EIBEC	0.71 (0.04, 12.73)	0.34 (0.01, 9.28)	0.13 (0, 4.7)	0.43 (0.02, 8.74)	0.97 (0.04, 24.31)	2.62 (0.08, 174.82)	0.61 (0.04, 8.86)	1.61 (0.04, 139.31)	1.01 (0.02, 116.61)	0.58 (0.06, 5.1)
1.04 (0.16, 13.91)	1.4 (0.08, 25.59)	EIBUD	0.48 (0.02, 9.84)	0.18 (0, 5.03)	0.62 (0.04, 9.59)	1.35 (0.08, 29.22)	3.57 (0.15, 216.15)	0.86 (0.08, 9.25)	2.26 (0.06, 163.22)	1.44 (0.03, 134.2)	0.82 (0.12, 5.17)
2.24 (0.18, 54.06)	2.98 (0.11, 97.19)	2.08 (0.1, 52.91)	EIFLUT	0.37 (0, 18.75)	1.26 (0.05, 33.67)	2.87 (0.11, 106.07)	7.68 (0.21, 666.45)	1.78 (0.1, 37.84)	4.82 (0.1, 494.94)	3.01 (0.04, 419.26)	1.68 (0.15, 23.74)
6.08 (0.3, 322.87)	7.81 (0.21, 581.16)	5.54 (0.2, 320.54)	2.73 (0.05, 210.57)	LaHdDX	3.36 (0.1, 205.83)	7.28 (0.64, 263.38)	21.47 (0.4, 3315.55)	4.77 (0.19, 234.04)	13.02 (0.2, 2461.42)	8.23 (0.09, 1903.63)	4.48 (0.25, 172.41)
1.75 (0.21, 26.85)	2.31 (0.11, 48.94)	1.62 (0.1, 26.39)	0.79 (0.03, 18.5)	0.3 (0, 9.81)	LaLdDX	2.25 (0.12, 53.69)	5.97 (0.22, 409.95)	1.42 (0.1, 18.5)	3.68 (0.1, 311.49)	2.36 (0.04, 246.75)	1.34 (0.17, 10.72)
0.79 (0.06, 12.92)	1.03 (0.04, 23.99)	0.74 (0.03, 12.59)	0.35 (0.01, 9.33)	0.14 (0, 1.56)	0.44 (0.02, 8.49)	LaMdDX	2.59 (0.07, 189.1)	0.63 (0.04, 8.45)	1.62 (0.04, 139.63)	1.01 (0.01, 111.4)	0.61 (0.05, 5.05)
0.31 (0.01, 6.99)	0.38 (0.01, 12.47)	0.28 (0, 6.61)	0.13 (0, 4.84)	0.05 (0, 2.53)	0.17 (0, 4.54)	0.39 (0.01, 13.47)	LHC	0.24 (0, 5.02)	0.61 (0.01, 66.35)	0.38 (0, 52.66)	0.23 (0.01, 3.14)
1.24 (0.23, 12.95)	1.64 (0.11, 24.48)	1.16 (0.11, 12.95)	0.56 (0.03, 10.23)	0.21 (0, 5.29)	0.71 (0.05, 9.53)	1.59 (0.12, 28.21)	4.18 (0.2, 223.69)	MoHdDX	2.63 (0.09, 166.22)	1.64 (0.03, 143.16)	0.95 (0.2, 4.41)
0.49 (0.01, 15.69)	0.62 (0.01, 27.75)	0.44 (0.01, 15.59)	0.21 (0, 10.05)	0.08 (0, 5.07)	0.27 (0, 10.43)	0.62 (0.01, 27.68)	1.64 (0.02, 179.62)	0.38 (0.01, 10.92)	MoLdDX	0.63 (0.1, 3.36)	0.37 (0.01, 7.21)
0.77 (0.01, 39.55)	0.99 (0.01, 62.67)	0.69 (0.01, 37.65)	0.33 (0, 24.65)	0.12 (0, 11.76)	0.42 (0, 24.45)	0.99 (0.01, 68.99)	2.64 (0.02, 394.52)	0.61 (0.01, 28.98)	1.6 (0.3, 9.73)	MoMdDX	0.58 (0.01, 19.33)
1.29 (0.52, 6.59)	1.72 (0.2, 16.84)	1.22 (0.19, 8.25)	0.6 (0.04, 6.85)	0.22 (0.01, 3.99)	0.75 (0.09, 5.97)	1.64 (0.2, 20.21)	4.33 (0.32, 181.96)	1.05 (0.23, 4.89)	2.74 (0.14, 137.42)	1.72 (0.05, 115.9)	PLACEBO

eFigure 56. Direct Evidence from the Pair Wise Comparisons for CP

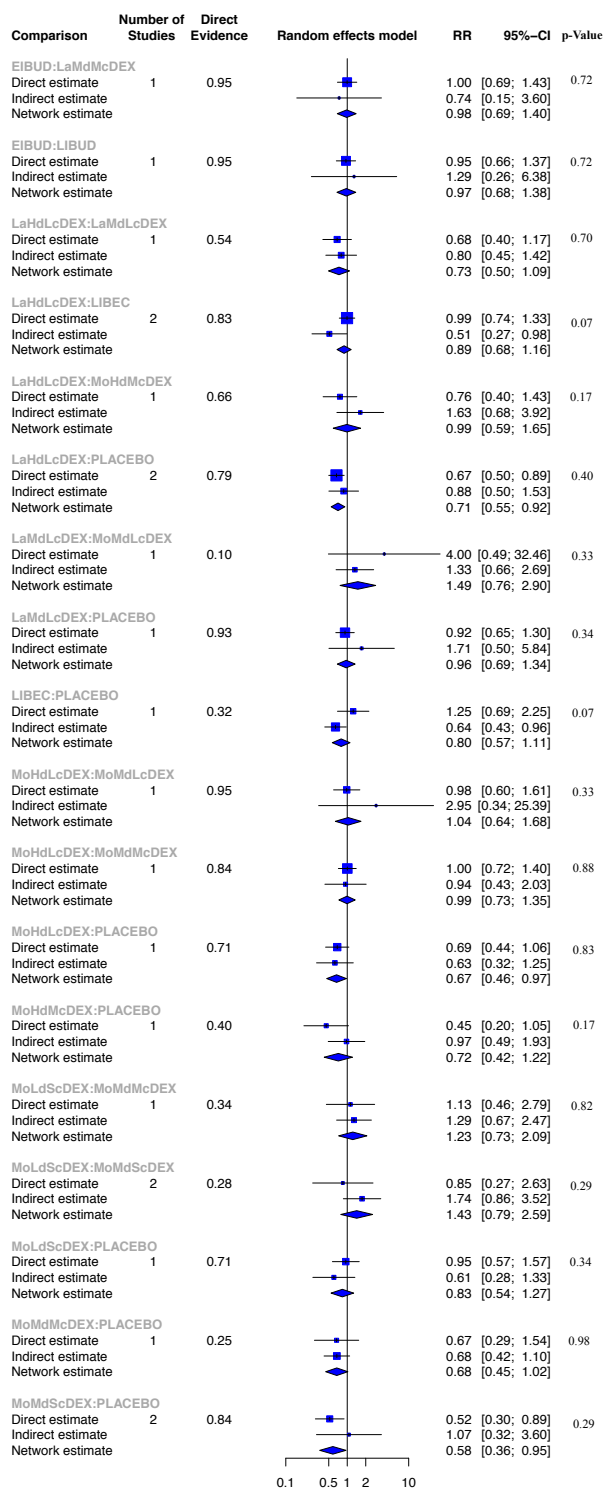




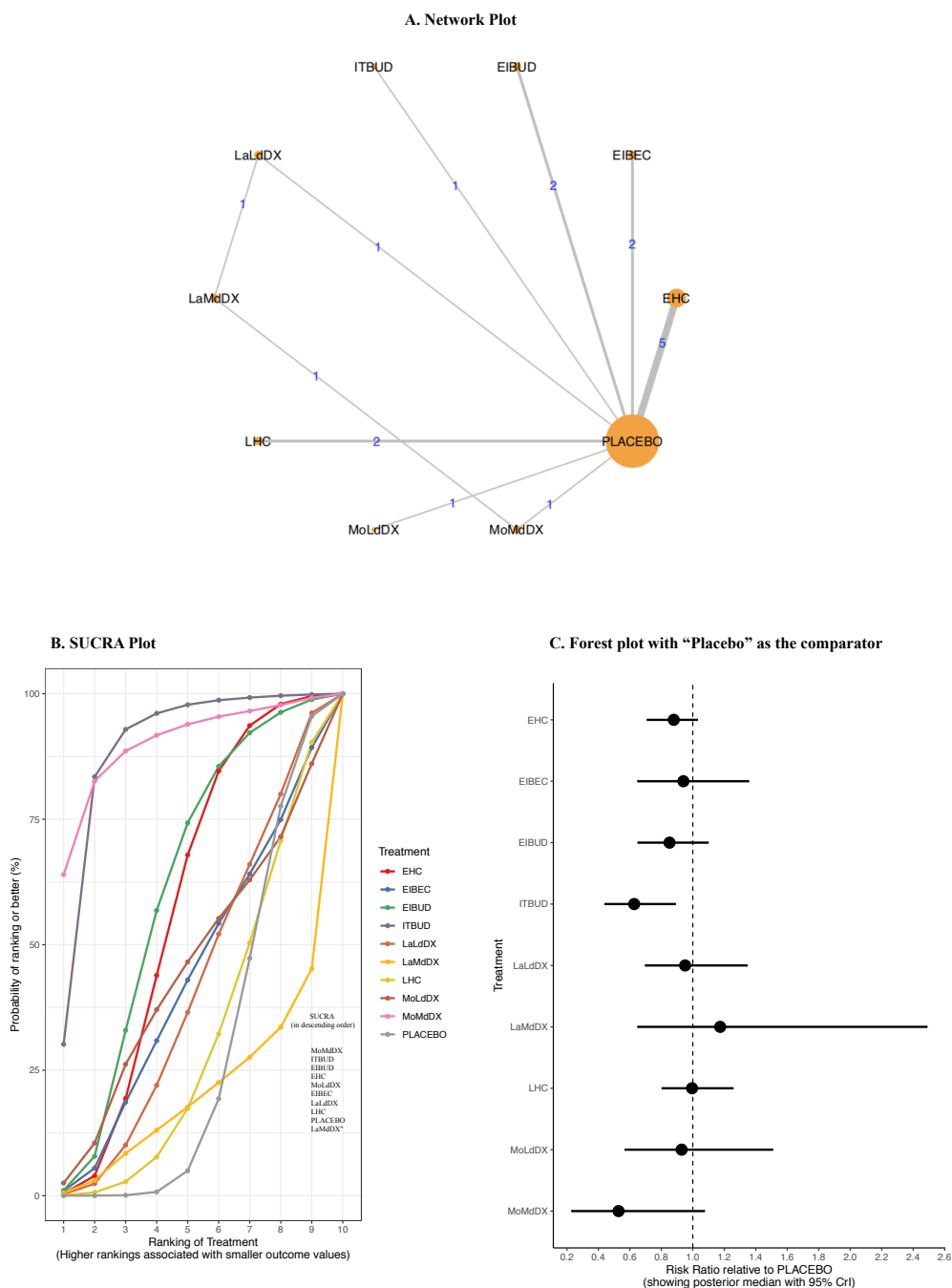
eFigure 57. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sensitivity Analysis - Duration of Course of Dexamethasone

Comparator	Treatment																		
	MoMdScDEX	MoMdlcDEX	MoHdlcDEX	MoMdMcDEX	MoHdMcDEX	LaHdlcDEX	ITBUD	EIFLUT	EIBUD	LaMcMcDEX	LIBUD	LIBEC	EHC	MoLdScDEX	LaLdMcDEX	EIBEC	LaMdLcDEX	LHC	PLACEBO
MoMdScDEX		1.20 (0.47, 2.50)	1.29 (0.63, 2.37)	1.30 (0.63, 2.42)	1.37 (0.61, 2.71)	1.40 (0.75, 2.48)	1.43 (0.76, 2.51)	1.47 (0.77, 2.63)	1.49 (0.76, 2.65)	1.56 (0.68, 3.07)	1.56 (0.67, 3.05)	1.61 (0.82, 3.00)	1.60 (0.89, 2.73)	1.66 (0.85, 2.97)	1.89 (0.92, 3.57)	1.88 (0.94, 3.46)	2.03 (0.98, 3.86)	**2.01** (1.07, 3.57)	**1.98** (1.16, 3.29)
MoMdlcDEX	1.00 (0.40, 2.13)		1.16 (0.65, 1.97)	1.18 (0.59, 2.20)	1.28 (0.51, 2.76)	1.31 (0.61, 2.57)	1.34 (0.62, 2.63)	1.37 (0.62, 2.72)	1.39 (0.62, 2.73)	1.45 (0.56, 3.12)	1.45 (0.56, 3.09)	1.50 (0.67, 3.11)	1.49 (0.71, 2.85)	1.56 (0.67, 3.18)	1.76 (0.75, 3.70)	1.75 (0.77, 3.58)	1.88 (0.85, 3.86)	1.88 (0.86, 3.74)	1.85 (0.92, 3.47)
MoHdlcDEX	0.87 (0.42, 1.58)	0.93 (0.51, 1.53)		1.02 (0.69, 1.48)	1.11 (0.53, 2.06)	1.13 (0.67, 1.85)	1.16 (0.68, 1.87)	1.19 (0.68, 1.96)	1.21 (0.67, 1.96)	1.26 (0.59, 2.33)	1.26 (0.58, 2.31)	1.30 (0.73, 2.27)	1.30 (0.79, 2.01)	1.35 (0.73, 2.31)	1.53 (0.80, 2.73)	1.52 (0.83, 2.61)	1.64 (0.89, 2.89)	1.63 (0.95, 2.69)	**1.60** (1.05, 2.41)
MoMdMcDEX	0.87 (0.41, 1.60)	0.95 (0.45, 1.70)	1.01 (0.68, 1.46)		1.11 (0.51, 2.11)	1.14 (0.64, 1.91)	1.16 (0.65, 1.93)	1.19 (0.65, 2.02)	1.21 (0.65, 2.02)	1.26 (0.57, 2.39)	1.26 (0.56, 2.37)	1.31 (0.70, 2.34)	1.30 (0.76, 2.08)	1.35 (0.73, 2.29)	1.53 (0.77, 2.79)	1.52 (0.80, 2.67)	1.64 (0.85, 2.98)	1.63 (0.91, 2.76)	1.60 (0.99, 2.50)
MoHdMcDEX	0.84 (0.37, 1.65)	0.94 (0.36, 1.98)	1.01 (0.49, 1.88)	1.02 (0.47, 1.94)		1.09 (0.62, 1.79)	1.12 (0.59, 1.98)	1.16 (0.59, 2.07)	1.17 (0.58, 2.07)	1.23 (0.52, 2.42)	1.22 (0.52, 2.39)	1.25 (0.67, 2.24)	1.26 (0.68, 2.14)	1.32 (0.61, 2.53)	1.49 (0.70, 2.81)	1.48 (0.72, 2.73)	1.59 (0.77, 3.00)	1.58 (0.82, 2.83)	1.55 (0.88, 2.59)
LaHdlcDEX	0.78 (0.40, 1.34)	0.87 (0.39, 1.64)	0.94 (0.54, 1.50)	0.95 (0.52, 1.57)	0.99 (0.56, 1.61)		1.04 (0.67, 1.55)	1.07 (0.67, 1.63)	1.09 (0.66, 1.63)	1.14 (0.57, 1.98)	1.14 (0.56, 1.96)	1.16 (0.84, 1.62)	1.17 (0.79, 1.64)	1.23 (0.67, 2.04)	1.38 (0.78, 2.28)	1.37 (0.81, 2.18)	1.47 (0.88, 2.36)	1.47 (0.94, 2.22)	**1.44** (1.06, 1.94)
ITBUD	0.77 (0.40, 1.31)	0.86 (0.38, 1.62)	0.92 (0.53, 1.46)	0.93 (0.52, 1.53)	0.98 (0.50, 1.70)	1.00 (0.65, 1.49)		1.05 (0.66, 1.57)	1.07 (0.65, 1.58)	1.11 (0.56, 1.92)	1.11 (0.55, 1.91)	1.15 (0.70, 1.85)	1.14 (0.78, 1.59)	1.20 (0.67, 1.99)	1.35 (0.77, 2.22)	1.34 (0.80, 2.12)	1.45 (0.83, 2.42)	1.43 (0.93, 2.16)	**1.41** (1.05, 1.87)
EIFLUT	0.75 (0.38, 1.30)	0.84 (0.37, 1.61)	0.90 (0.51, 1.47)	0.91 (0.49, 1.53)	0.96 (0.48, 1.71)	0.98 (0.61, 1.50)	1.00 (0.64, 1.51)		1.04 (0.62, 1.60)	1.09 (0.54, 1.93)	1.09 (0.53, 1.91)	1.13 (0.67, 1.86)	1.12 (0.74, 1.61)	1.18 (0.64, 1.99)	1.32 (0.74, 2.23)	1.31 (0.78, 2.13)	1.42 (0.79, 2.43)	1.41 (0.88, 2.18)	1.38 (0.99, 1.92)
EIBUD	0.74 (0.38, 1.31)	0.83 (0.37, 1.61)	0.89 (0.51, 1.49)	0.90 (0.49, 1.55)	0.94 (0.48, 1.71)	0.97 (0.61, 1.53)	0.99 (0.63, 1.53)	1.01 (0.63, 1.61)		1.05 (0.66, 1.58)	1.04 (0.66, 1.56)	1.11 (0.66, 1.91)	1.10 (0.74, 1.63)	1.16 (0.64, 2.00)	1.30 (0.74, 2.28)	1.30 (0.76, 2.16)	1.40 (0.79, 2.48)	1.39 (0.88, 2.22)	1.36 (0.99, 1.95)
LaMcMcDEX	0.74 (0.33, 1.47)	0.83 (0.32, 1.77)	0.89 (0.43, 1.69)	0.90 (0.42, 1.75)	0.95 (0.41, 1.91)	0.97 (0.50, 1.76)	0.99 (0.52, 1.79)	1.02 (0.52, 1.85)	1.00 (0.63, 1.50)		1.02 (0.68, 1.45)	1.12 (0.56, 2.17)	1.10 (0.60, 1.92)	1.16 (0.54, 2.25)	1.31 (0.62, 2.56)	1.30 (0.64, 2.46)	1.41 (0.67, 2.80)	1.39 (0.72, 2.57)	1.37 (0.78, 2.34)
LIBUD	0.74 (0.33, 1.49)	0.83 (0.32, 1.79)	0.89 (0.43, 1.71)	0.90 (0.42, 1.77)	0.95 (0.42, 1.93)	0.97 (0.51, 1.79)	0.99 (0.52, 1.81)	1.02 (0.52, 1.88)	1.00 (0.64, 1.52)	1.02 (0.69, 1.48)		1.12 (0.56, 2.20)	1.11 (0.61, 1.95)	1.17 (0.55, 2.28)	1.31 (0.63, 2.60)	1.30 (0.64, 2.49)	1.41 (0.67, 2.84)	1.39 (0.73, 2.60)	1.37 (0.79, 2.38)
LIBEC	0.69 (0.33, 1.22)	0.77 (0.32, 1.49)	0.83 (0.44, 1.37)	0.84 (0.43, 1.43)	0.88 (0.45, 1.50)	0.89 (0.62, 1.18)	0.92 (0.54, 1.42)	0.95 (0.54, 1.50)	0.97 (0.52, 1.51)	1.01 (0.46, 1.79)	1.01 (0.45, 1.78)		1.03 (0.63, 1.53)	1.09 (0.55, 1.86)	1.22 (0.63, 2.07)	1.21 (0.66, 2.00)	1.30 (0.71, 2.16)	1.30 (0.75, 2.03)	1.28 (0.84, 1.82)
EHC	0.68 (0.37, 1.12)	0.76 (0.35, 1.40)	0.82 (0.50, 1.26)	0.82 (0.48, 1.32)	0.87 (0.47, 1.47)	0.89 (0.61, 1.27)	0.90 (0.63, 1.27)	0.93 (0.62, 1.35)	0.94 (0.61, 1.35)	0.99 (0.52, 1.67)	0.98 (0.51, 1.65)	1.02 (0.65, 1.60)		1.06 (0.62, 1.71)	1.19 (0.72, 1.92)	1.19 (0.75, 1.82)	1.28 (0.77, 2.09)	1.27 (0.87, 1.84)	**1.25** (1.02, 1.55)
MoLdScDEX	0.67 (0.34, 1.17)	0.75 (0.31, 1.48)	0.81 (0.43, 1.37)	0.81 (0.44, 1.37)	0.86 (0.40, 1.64)	0.88 (0.49, 1.48)	0.90 (0.50, 1.50)	0.92 (0.50, 1.57)	0.94 (0.50, 1.57)	0.98 (0.44, 1.85)	0.98 (0.44, 1.83)	1.01 (0.54, 1.81)	1.01 (0.58, 1.62)		1.19 (0.60, 2.16)	1.18 (0.62, 2.08)	1.28 (0.65, 2.35)	1.26 (0.70, 2.15)	1.24 (0.77, 1.94)
LaLdMcDEX	0.60 (0.28, 1.09)	0.67 (0.27, 1.33)	0.72 (0.37, 1.24)	0.72 (0.36, 1.29)	0.76 (0.36, 1.42)	0.78 (0.44, 1.28)	0.80 (0.45, 1.30)	0.82 (0.45, 1.36)	0.83 (0.44, 1.35)	0.87 (0.39, 1.61)	0.86 (0.38, 1.59)	0.90 (0.48, 1.58)	0.89 (0.52, 1.39)	0.93 (0.46, 1.67)		1.04 (0.55, 1.80)	1.13 (0.58, 2.04)	1.12 (0.63, 1.86)	1.10 (0.69, 1.68)
EIBEC	0.59 (0.29, 1.06)	0.66 (0.28, 1.30)	0.71 (0.38, 1.20)	0.72 (0.37, 1.25)	0.76 (0.37, 1.38)	0.78 (0.46, 1.23)	0.79 (0.47, 1.25)	0.81 (0.47, 1.31)	0.83 (0.46, 1.32)	0.86 (0.41, 1.57)	0.86 (0.40, 1.55)	0.89 (0.50, 1.51)	0.89 (0.55, 1.34)	0.93 (0.48, 1.63)	1.05 (0.56, 1.82)		1.12 (0.60, 1.97)	1.11 (0.65, 1.78)	1.09 (0.72, 1.60)
LaMdLcDEX	0.56 (0.26, 1.02)	0.62 (0.26, 1.18)	0.67 (0.35, 1.13)	0.67 (0.34, 1.18)	0.71 (0.33, 1.30)	0.72 (0.42, 1.13)	0.74 (0.41, 1.21)	0.76 (0.41, 1.26)	0.78 (0.40, 1.27)	0.81 (0.36, 1.49)	0.81 (0.35, 1.48)	0.83 (0.46, 1.40)	0.83 (0.48, 1.30)	0.87 (0.43, 1.55)	0.98 (0.49, 1.73)	0.98 (0.51, 1.68)		1.04 (0.58, 1.72)	1.03 (0.63, 1.56)
LHC	**0.55** (0.28, 0.94)	0.61 (0.27, 1.16)	0.66 (0.37, 1.05)	0.66 (0.36, 1.10)	0.70 (0.35, 1.22)	0.71 (0.45, 1.07)	0.73 (0.46, 1.08)	0.75 (0.46, 1.14)	0.76 (0.45, 1.13)	0.80 (0.39, 1.38)	0.79 (0.38, 1.37)	0.82 (0.49, 1.33)	0.82 (0.54, 1.14)	0.86 (0.47, 1.43)	0.96 (0.54, 1.60)	0.96 (0.56, 1.53)	1.03 (0.58, 1.73)		1.01 (0.73, 1.36)
PLACEBO	**0.54** (0.30, 0.86)	0.61 (0.29, 1.09)	**0.65** (0.42, 0.95)	0.66 (0.40, 1.01)	0.69 (0.39, 1.13)	**0.71** (0.52, 0.94)	**0.72** (0.53, 0.95)	0.74 (0.52, 1.01)	0.76 (0.51, 1.01)	0.79 (0.43, 1.28)	0.79 (0.42, 1.27)	0.81 (0.55, 1.20)	**0.81** (0.64, 0.98)	0.85 (0.51, 1.31)	0.96 (0.60, 1.45)	0.95 (0.63, 1.38)	1.03 (0.64, 1.58)	1.02 (0.74, 1.37)	

eFigure 58. Split Between Direct and Indirect Evidence for Duration of Course of Dexamethasone



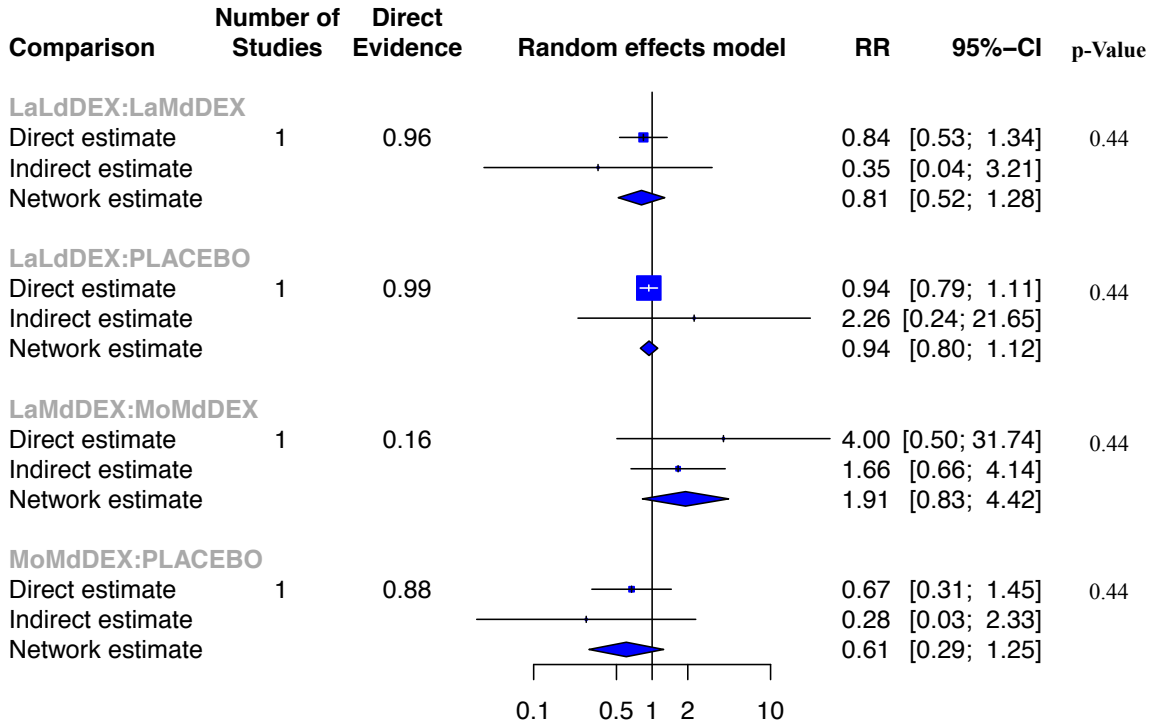
eFigure 59. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Sensitivity Analysis Excluding Trials with Antenatal Corticosteroid Coverage <70% (C)



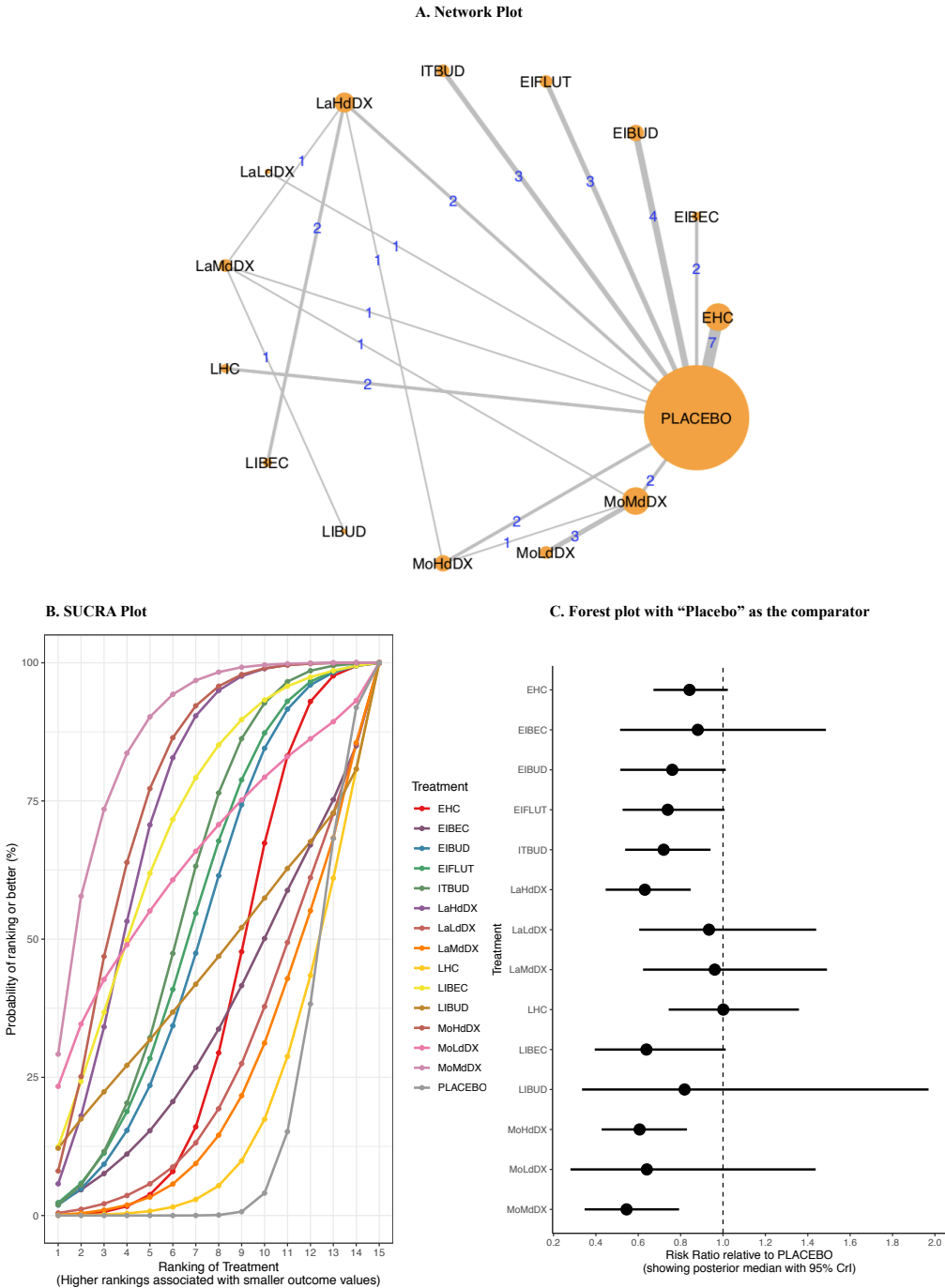
eFigure 60. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sensitivity Analysis Excluding Trials with Antenatal Corticosteroid Coverage <70%

	Treatment									
	MoMdDX	ITBUD	EIBUD	EHC	MoLdDX	EIBEC	LaLdDX	LHC	PLACEBO	LaMdDX
MoMdDX		1.33 (0.54, 2.97)	1.79 (0.75, 3.92)	1.83 (0.78, 3.92)	1.99 (0.73, 4.58)	1.99 (0.80, 4.44)	2.01 (0.84, 4.40)	2.09 (0.89, 4.53)	2.09 (0.93, 4.40)	2.60 (0.95, 6.28)
ITBUD	0.91 (0.34, 1.87)		1.39 (0.87, 2.10)	1.42 (0.91, 2.05)	1.55 (0.81, 2.70)	1.55 (0.89, 2.51)	1.57 (0.95, 2.51)	**1.63** (1.05, 2.44)	**1.62** (1.12, 2.28)	2.07 (0.94, 4.33)
EIBUD	0.67 (0.26, 1.33)	0.76 (0.48, 1.15)		1.04 (0.73, 1.39)	1.13 (0.63, 1.90)	1.13 (0.70, 1.74)	1.15 (0.75, 1.76)	1.19 (0.84, 1.68)	1.19 (0.91, 1.54)	1.51 (0.72, 3.08)
EHC	0.65 (0.26, 1.28)	0.73 (0.49, 1.10)	0.99 (0.72, 1.37)		1.10 (0.64, 1.82)	1.10 (0.72, 1.65)	1.11 (0.77, 1.67)	1.16 (0.88, 1.58)	1.15 (0.97, 1.41)	1.47 (0.73, 2.97)
MoLdDX	0.62 (0.22, 1.36)	0.71 (0.37, 1.24)	0.95 (0.53, 1.59)	0.98 (0.55, 1.57)		1.06 (0.55, 1.88)	1.08 (0.58, 1.88)	1.12 (0.63, 1.85)	1.11 (0.66, 1.77)	1.42 (0.59, 3.14)
EIBEC	0.61 (0.23, 1.25)	0.69 (0.40, 1.12)	0.93 (0.57, 1.42)	0.95 (0.61, 1.40)	1.04 (0.53, 1.81)		1.05 (0.63, 1.69)	1.09 (0.69, 1.64)	1.08 (0.74, 1.55)	1.38 (0.63, 2.89)
LaLdDX	0.59 (0.23, 1.18)	0.68 (0.40, 1.05)	0.91 (0.57, 1.33)	0.93 (0.60, 1.30)	1.02 (0.53, 1.72)	1.02 (0.59, 1.60)		1.07 (0.69, 1.54)	1.06 (0.74, 1.44)	1.32 (0.73, 2.44)
LHC	0.57 (0.22, 1.12)	**0.64** (0.41, 0.95)	0.87 (0.59, 1.19)	0.89 (0.63, 1.14)	0.97 (0.54, 1.58)	0.96 (0.61, 1.45)	0.98 (0.65, 1.44)		1.01 (0.79, 1.25)	1.29 (0.62, 2.58)
PLACEBO	0.56 (0.23, 1.08)	**0.64** (0.44, 0.89)	0.86 (0.65, 1.10)	0.88 (0.71, 1.03)	0.96 (0.57, 1.51)	0.96 (0.65, 1.36)	0.97 (0.69, 1.35)	1.00 (0.80, 1.26)		1.27 (0.65, 2.49)
LaMdDX	0.48 (0.16, 1.05)	0.56 (0.23, 1.07)	0.76 (0.32, 1.38)	0.77 (0.34, 1.38)	0.84 (0.32, 1.69)	0.84 (0.35, 1.59)	0.83 (0.41, 1.37)	0.88 (0.39, 1.60)	0.88 (0.40, 1.55)	

eFigure 61. Split Between Direct and Indirect Evidence for Sensitivity Analysis Excluding Trials with Antenatal Corticosteroid Coverage <70%



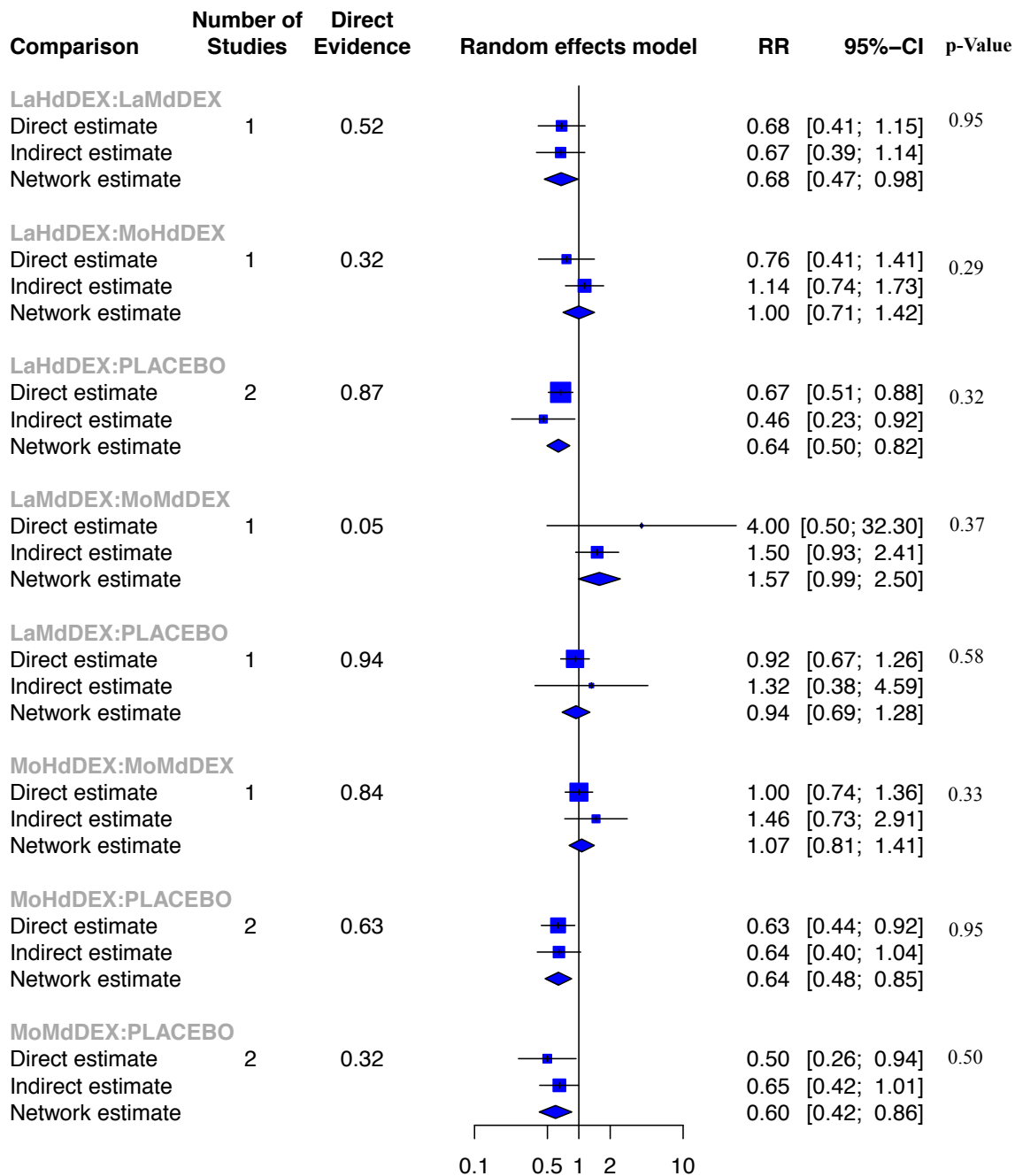
eFigure 62. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot (C) Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Sensitivity Analysis by Excluding Trials with High Risk of Bias (C)



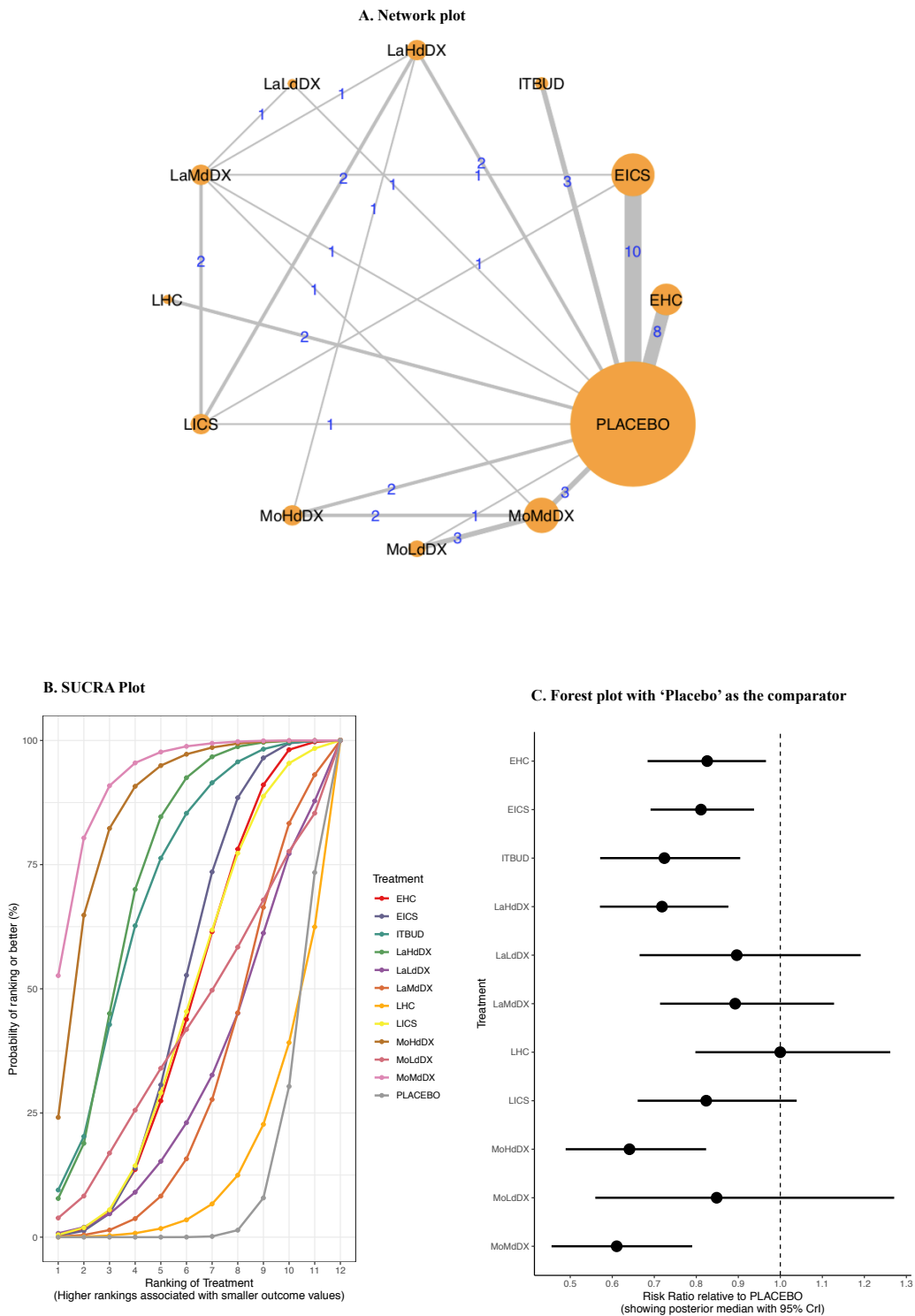
eFigure 63. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sensitivity Analysis by Excluding Trials with High Risk of Bias

Comparator	Treatment														
	MoMdDX	MoHdDX	LaHdDX	LIBEC	MoLdDX	ITBUD	EIFLUT	EIBUD	LIBUD	EHC	EIBEC	LaLdDX	LaMdDX	LHC	PLACEBO
MoMdDX		1.14 (0.80, 1.65)	1.20 (0.73, 1.91)	1.24 (0.67, 2.19)	1.26 (0.59, 2.42)	1.37 (0.83, 2.23)	1.41 (0.83, 2.34)	1.44 (0.83, 2.33)	1.71 (0.59, 4.02)	**1.60** (1.01, 2.50)	1.73 (0.85, 3.26)	1.81 (0.99, 3.25)	**1.86** (1.05, 3.28)	**1.92** (1.16, 3.20)	**1.90** (1.26, 2.88)
MoHdDX	0.91 (0.61, 1.25)		1.06 (0.70, 1.55)	1.09 (0.63, 1.80)	1.15 (0.48, 2.33)	1.22 (0.78, 1.84)	1.25 (0.77, 1.94)	1.28 (0.77, 1.95)	1.51 (0.53, 3.46)	1.42 (0.94, 2.06)	1.53 (0.78, 2.74)	1.61 (0.91, 2.70)	1.65 (0.96, 2.74)	**1.70** (1.08, 2.64)	**1.68** (1.20, 2.34)
LaHdDX	0.89 (0.52, 1.36)	0.98 (0.65, 1.44)		1.03 (0.73, 1.45)	1.12 (0.43, 2.39)	1.17 (0.76, 1.76)	1.21 (0.75, 1.86)	1.23 (0.74, 1.86)	1.45 (0.52, 3.26)	1.36 (0.92, 1.97)	1.47 (0.76, 2.63)	1.54 (0.88, 2.60)	1.58 (0.96, 2.55)	**1.64** (1.05, 2.53)	**1.62** (1.18, 2.24)
LIBEC	0.88 (0.46, 1.48)	0.98 (0.56, 1.59)	1.00 (0.69, 1.38)		1.12 (0.40, 2.49)	1.17 (0.65, 1.94)	1.20 (0.65, 2.04)	1.23 (0.64, 2.03)	1.45 (0.49, 3.40)	1.36 (0.78, 2.19)	1.47 (0.68, 2.81)	1.54 (0.78, 2.80)	1.58 (0.84, 2.78)	1.64 (0.91, 2.78)	1.61 (0.99, 2.53)
MoLdDX	0.90 (0.41, 1.70)	1.02 (0.43, 2.09)	1.08 (0.42, 2.31)	1.11 (0.40, 2.53)		1.24 (0.48, 2.70)	1.28 (0.48, 2.80)	1.30 (0.49, 2.80)	1.54 (0.39, 4.22)	1.44 (0.57, 3.06)	1.56 (0.52, 3.69)	1.64 (0.59, 3.73)	1.68 (0.62, 3.76)	1.73 (0.67, 3.78)	1.71 (0.70, 3.57)
ITBUD	0.77 (0.45, 1.20)	0.86 (0.54, 1.29)	0.89 (0.57, 1.32)	0.92 (0.51, 1.53)	0.98 (0.37, 2.09)		1.05 (0.67, 1.57)	1.07 (0.66, 1.57)	1.27 (0.45, 2.88)	1.19 (0.82, 1.65)	1.28 (0.67, 2.24)	1.34 (0.78, 2.20)	1.39 (0.81, 2.28)	1.43 (0.94, 2.13)	**1.41** (1.06, 1.86)
EIFLUT	0.76 (0.43, 1.21)	0.84 (0.51, 1.30)	0.87 (0.54, 1.33)	0.90 (0.49, 1.53)	0.96 (0.36, 2.07)	1.00 (0.64, 1.50)		1.05 (0.63, 1.58)	1.24 (0.43, 2.85)	1.16 (0.77, 1.67)	1.25 (0.64, 2.23)	1.32 (0.75, 2.21)	1.36 (0.77, 2.28)	1.40 (0.89, 2.15)	1.38 (0.99, 1.90)
EIBUD	0.74 (0.43, 1.20)	0.83 (0.51, 1.30)	0.86 (0.54, 1.35)	0.89 (0.49, 1.56)	0.94 (0.36, 2.05)	0.98 (0.64, 1.52)	1.01 (0.63, 1.60)		1.22 (0.43, 2.87)	1.14 (0.77, 1.69)	1.23 (0.64, 2.24)	1.29 (0.75, 2.25)	1.33 (0.76, 2.33)	1.37 (0.89, 2.19)	1.35 (0.99, 1.94)
LIBUD	0.74 (0.25, 1.70)	0.83 (0.29, 1.88)	0.86 (0.31, 1.91)	0.88 (0.29, 2.06)	0.94 (0.24, 2.54)	0.98 (0.35, 2.23)	1.01 (0.35, 2.31)	1.03 (0.35, 2.34)		1.14 (0.41, 2.56)	1.24 (0.39, 3.03)	1.30 (0.43, 3.07)	1.27 (0.55, 2.60)	1.37 (0.48, 3.15)	1.36 (0.51, 2.99)
EHC	**0.66** (0.40, 0.99)	0.73 (0.49, 1.06)	0.76 (0.51, 1.09)	0.79 (0.46, 1.28)	0.83 (0.33, 1.75)	0.87 (0.61, 1.22)	0.89 (0.60, 1.29)	0.91 (0.59, 1.29)	1.08 (0.39, 2.43)		1.09 (0.59, 1.86)	1.15 (0.70, 1.83)	1.18 (0.72, 1.89)	1.22 (0.84, 1.75)	1.20 (0.98, 1.49)
EIBEC	0.65 (0.31, 1.18)	0.72 (0.37, 1.28)	0.75 (0.38, 1.32)	0.77 (0.36, 1.47)	0.82 (0.27, 1.91)	0.86 (0.45, 1.49)	0.88 (0.45, 1.56)	0.90 (0.45, 1.57)	1.06 (0.33, 2.59)	0.99 (0.54, 1.69)		1.13 (0.54, 2.11)	1.16 (0.56, 2.18)	1.20 (0.63, 2.11)	1.18 (0.67, 1.94)
LaLdDX	0.60 (0.31, 1.01)	0.67 (0.37, 1.10)	0.70 (0.38, 1.13)	0.72 (0.36, 1.28)	0.76 (0.27, 1.70)	0.79 (0.45, 1.28)	0.82 (0.45, 1.34)	0.83 (0.45, 1.33)	0.99 (0.33, 2.33)	0.92 (0.55, 1.44)	1.00 (0.47, 1.86)		1.08 (0.56, 1.91)	1.11 (0.63, 1.83)	1.10 (0.69, 1.65)
LaMdDX	**0.58** (0.30, 0.96)	0.65 (0.37, 1.04)	0.67 (0.39, 1.05)	0.69 (0.36, 1.18)	0.74 (0.27, 1.61)	0.77 (0.44, 1.24)	0.79 (0.44, 1.30)	0.81 (0.43, 1.31)	0.92 (0.39, 1.82)	0.90 (0.53, 1.40)	0.97 (0.46, 1.80)	1.02 (0.52, 1.78)		1.08 (0.61, 1.76)	1.07 (0.67, 1.61)
LHC	**0.56** (0.31, 0.86)	**0.62** (0.38, 0.93)	**0.64** (0.40, 0.95)	0.66 (0.36, 1.10)	0.70 (0.26, 1.50)	0.73 (0.47, 1.07)	0.75 (0.47, 1.12)	0.77 (0.46, 1.13)	0.91 (0.32, 2.06)	0.85 (0.57, 1.19)	0.92 (0.47, 1.60)	0.96 (0.55, 1.58)	0.99 (0.57, 1.63)		1.01 (0.74, 1.34)
PLACEBO	**0.55** (0.35, 0.79)	**0.61** (0.43, 0.83)	**0.63** (0.45, 0.85)	0.65 (0.39, 1.01)	0.70 (0.28, 1.44)	**0.72** (0.54, 0.94)	0.75 (0.53, 1.01)	0.76 (0.52, 1.01)	0.90 (0.33, 1.97)	0.84 (0.67, 1.02)	0.91 (0.51, 1.49)	0.95 (0.60, 1.44)	0.98 (0.62, 1.49)	1.01 (0.74, 1.36)	

eFigure 64. Split Between Direct and Indirect Evidence for Sensitivity Analysis by Excluding Trials with High Risk of Bias



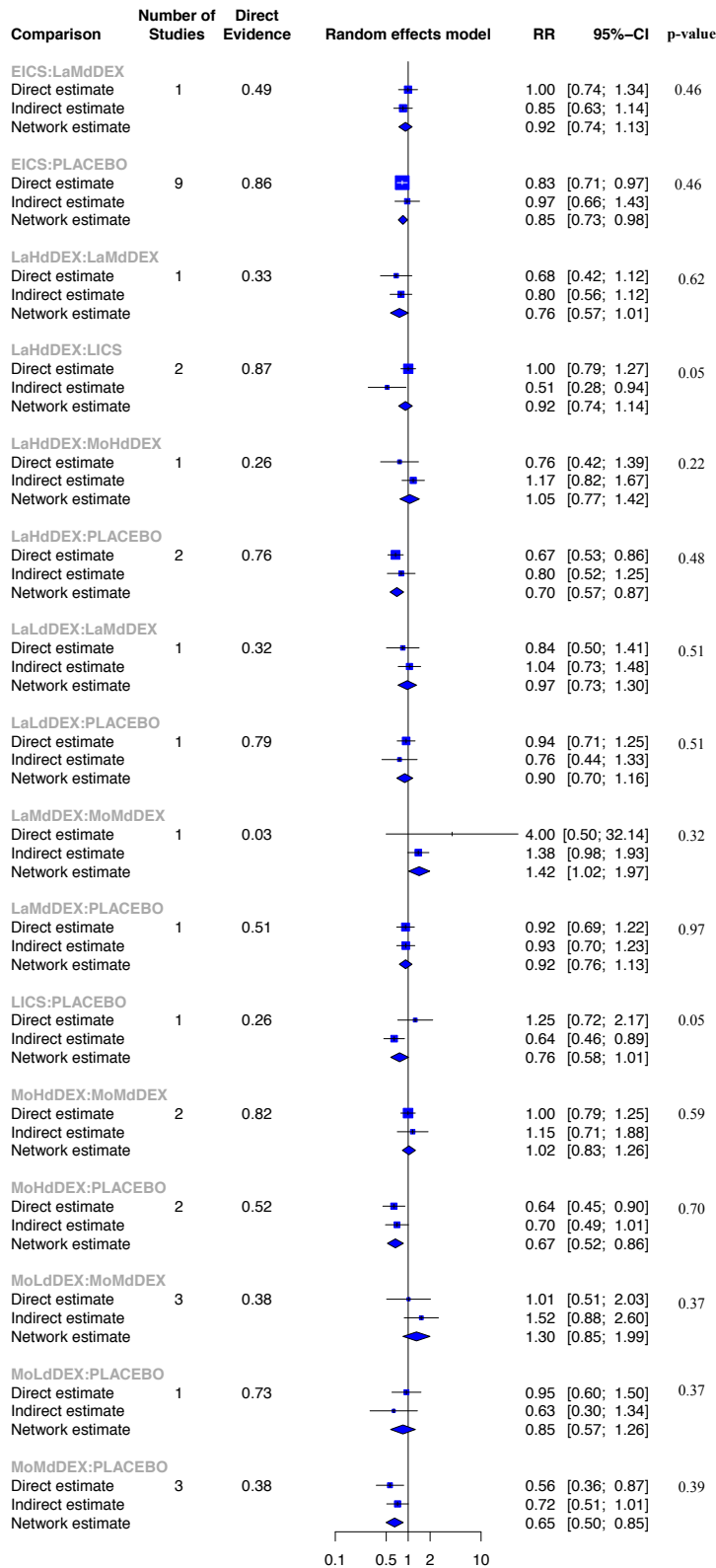
eFigure 65. Network Plot (A), SUCRA Plot with SUCRA Values (%) (B), and Forest Plot (C) Depicting the Network Estimates [RR (95% CrI)] of the Various Interventions with “Placebo” as the Common Comparator for Sensitivity Analysis by Combining Different Types of Inhaled Corticosteroids (C)



eFigure 66. League Plot Depicting the Network Estimates [RR (95% CrI)] of Postnatal Corticosteroids Comparisons for Sensitivity Analysis by Combining Different Types of Inhaled Corticosteroids

	Treatment											
	MoMdDX	MoHdDX	LaHdDX	ITBUD	EICS	EHC	LICS	MoLdDX	LaLdDX	LaMdDX	LHC	PLACEBO
MoMdDX		1.06 (0.84, 1.34)	1.19 (0.85, 1.64)	1.21 (0.84, 1.71)	1.35 (0.99, 1.83)	1.37 (0.99, 1.87)	1.38 (0.97, 1.95)	1.43 (0.91, 2.17)	**1.50** (1.00, 2.20)	**1.49** (1.05, 2.12)	**1.67** (1.17, 2.39)	**1.66** (1.27, 2.20)
MoHdDX	0.96 (0.75, 1.19)		1.13 (0.82, 1.52)	1.15 (0.80, 1.60)	1.28 (0.94, 1.71)	1.30 (0.94, 1.75)	1.31 (0.93, 1.81)	1.36 (0.85, 2.08)	1.43 (0.95, 2.07)	**1.42** (1.01, 1.98)	**1.59** (1.12, 2.23)	**1.58** (1.21, 2.04)
LaHdDX	0.86 (0.61, 1.18)	0.90 (0.66, 1.22)		1.02 (0.74, 1.39)	1.14 (0.89, 1.45)	1.16 (0.87, 1.50)	1.16 (0.94, 1.47)	1.22 (0.75, 1.87)	1.27 (0.89, 1.79)	1.26 (0.97, 1.67)	**1.42** (1.04, 1.94)	**1.41** (1.14, 1.75)
ITBUD	0.85 (0.59, 1.19)	0.90 (0.62, 1.25)	1.00 (0.72, 1.35)		1.13 (0.85, 1.48)	1.15 (0.85, 1.50)	1.16 (0.83, 1.59)	1.21 (0.73, 1.87)	1.26 (0.85, 1.80)	1.25 (0.90, 1.73)	**1.40** (1.01, 1.93)	**1.39** (1.11, 1.75)
EICS	0.76 (0.55, 1.01)	0.80 (0.59, 1.06)	0.89 (0.69, 1.12)	0.90 (0.68, 1.18)		1.02 (0.81, 1.27)	1.03 (0.81, 1.31)	1.07 (0.68, 1.62)	1.12 (0.80, 1.53)	1.11 (0.88, 1.43)	1.25 (0.95, 1.64)	**1.24** (1.07, 1.45)
EHC	0.75 (0.53, 1.01)	0.79 (0.57, 1.06)	0.88 (0.66, 1.15)	0.89 (0.66, 1.18)	0.99 (0.79, 1.24)		1.01 (0.76, 1.36)	1.06 (0.66, 1.61)	1.10 (0.78, 1.54)	1.10 (0.82, 1.48)	1.23 (0.93, 1.65)	**1.22** (1.04, 1.46)
LICS	0.75 (0.51, 1.03)	0.79 (0.55, 1.07)	0.87 (0.68, 1.07)	0.89 (0.63, 1.20)	0.99 (0.76, 1.24)	1.01 (0.74, 1.31)		1.06 (0.64, 1.63)	1.10 (0.76, 1.53)	1.09 (0.85, 1.39)	1.23 (0.88, 1.67)	1.22 (0.96, 1.51)
MoLdDX	0.74 (0.46, 1.10)	0.77 (0.48, 1.18)	0.87 (0.53, 1.33)	0.88 (0.53, 1.37)	0.98 (0.62, 1.48)	1.00 (0.62, 1.51)	1.00 (0.61, 1.56)		1.09 (0.64, 1.75)	1.09 (0.67, 1.70)	1.22 (0.75, 1.90)	1.21 (0.79, 1.79)
LaLdDX	**0.69** (0.45, 1.00)	0.73 (0.48, 1.05)	0.81 (0.56, 1.13)	0.82 (0.56, 1.17)	0.92 (0.66, 1.25)	0.93 (0.65, 1.28)	0.94 (0.65, 1.32)	0.98 (0.57, 1.56)		1.01 (0.72, 1.40)	1.14 (0.78, 1.63)	1.13 (0.84, 1.50)
LaMdDX	**0.69** (0.47, 0.95)	**0.73** (0.51, 0.99)	0.81 (0.60, 1.03)	0.82 (0.58, 1.11)	0.91 (0.70, 1.14)	0.93 (0.67, 1.21)	0.93 (0.72, 1.18)	0.97 (0.59, 1.50)	1.01 (0.71, 1.38)		1.13 (0.81, 1.54)	1.13 (0.89, 1.40)
LHC	**0.62** (0.42, 0.85)	**0.65** (0.45, 0.89)	**0.72** (0.52, 0.96)	**0.73** (0.52, 0.99)	0.82 (0.61, 1.05)	0.83 (0.61, 1.08)	0.83 (0.60, 1.14)	0.87 (0.53, 1.34)	0.91 (0.61, 1.29)	0.90 (0.65, 1.24)		1.01 (0.79, 1.25)
PLACEBO	**0.61** (0.46, 0.79)	**0.64** (0.49, 0.82)	**0.72** (0.57, 0.88)	**0.73** (0.57, 0.90)	**0.81** (0.69, 0.94)	**0.83** (0.68, 0.97)	0.83 (0.66, 1.04)	0.87 (0.56, 1.27)	0.90 (0.67, 1.19)	0.90 (0.71, 1.13)	1.01 (0.80, 1.26)	

eFigure 67. Split Between Direct and Indirect Evidence for Sensitivity Analysis by Combining Different Types of Inhaled Corticosteroids



eTable 1. Literature Search Strategy for Two Electronic Databases

CENTRAL search		
ID	Search	Hits
#1	MeSH descriptor: [Infant, Newborn] explode all trees	15666
#2	(neonat*) OR (newborn*)	43538
#3	infan*	63805
#4	(elbw*) OR (vlbw*) OR (lbw*) OR (preterm*) OR (prematur*)	29753
#5	#3 and #4	15190
#6	#1 or #2 or #5	45834
#7	(steroid*) OR (corticosteroid*) OR (dexamethasone) OR (betamethasone) OR (hydrocortisone)	67005
#8	budesonide	4874
#9	#7 or #8	69545
#10	(inhaled) AND (steroid*)	2281
#11	(inhaled) AND (corticosteroid*)	5768
#12	(inhaled) AND (budesonide)	2052
#13	#9 or #10 or #11 or #12	69545
#14	(intratracheal) AND (steroid*)	79
#15	(intratracheal) AND (corticosteroid*)	50
#16	(intratracheal) AND (budesonide)	24
#17	#14 or #15 or #16	128
#18	#13 or #17	69545
#19	#6 and #18	2540
Pubmed Search		

((((((((neonat*) OR (bab*)) OR (newborn*)) AND ((((((low birth weight) OR (lbw)) OR (elbw)) OR (vlbw)) OR (premat*) OR (preterm*))) AND ((((((low birth weight) OR (lbw)) OR (elbw)) OR (vlbw)) OR (premat*) OR (preterm*)) AND (infan*))) OR (infant, low birth weight[MeSH Terms])) OR (infant, very low birth weight[MeSH Terms])) OR (infant, extremely low birth weight[MeSH Terms])) AND ((((((randomized controlled trial[MeSH Terms]) OR (controlled clinical trial[MeSH Terms])) OR (randomized[Title/Abstract])) OR (placebo[Title/Abstract])) OR (randomly[Title/Abstract])) OR (trial[Title/Abstract])) AND (((((((((((corticosteroids) OR (steroids)) OR (betamethasone)) OR (dexamethasone)) OR (hydrocortisone)) OR (budesonide)) OR (((inhaled) AND (steroids)) OR ((inhaled) AND (corticosteroids))) OR ((inhaled) AND (budesonide)))) OR (((intratracheal) AND (steroids)) OR ((intratracheal) AND (corticosteroids)))) OR ((nebulizer[MeSH Terms]) AND (steroids))) OR ((nebulizer[MeSH Terms]) AND (corticosteroids)) OR ((nebuliser[MeSH Terms]) AND (budesonide[MeSH Terms]))))

eTable 2. Some of the Studies That Were Excluded for Valid Reasons

Author / Year	Reason for exclusion
Ariagno 1987 ⁶³	Both arms received systemic dexamethasone with similar day of initiation and similar cumulative dosage.
Baden 1972 ⁶⁴	Old study using high dose of early hydrocortisone (50 mg/kg over 24 hours)
Barkermeyer 2000 ⁶⁵	Both arms received systemic dexamethasone with similar day of initiation and similar cumulative dosage.
Biswas 2003 ⁶⁶	Used hydrocortisone with triiodothyronine in one arm
Collaborative Dexamethasone Trial Group 1991 ⁶⁷	Classified as systemic dexamethasone use in established BPD as the median age of initiation was > 28 days
Da Silva 2002 ⁶⁸	Age of initiation of systemic dexamethasone could not be classified since reported as 7-21 days encompassing moderate and late initiation cut-off. Cumulative dose of one arm not mentioned
DeMartini 1999 ⁶⁹	Age of initiation of systemic dexamethasone could not be classified as reported as 7-21 days encompassing moderate and late initiation cut-off
Dg 2017 ⁷⁰	Inclusion criterion < 37 weeks
Groneck 1999 ⁷¹	Systemic dexamethasone cumulative dose not mentioned
NG 1998 ⁷²	No outcomes reported
Papile 1998 ⁷³	One arm received systemic dexamethasone at more than 28 days (classified as established BPD)
Pappagallo 1998 ⁷⁴	Injectable dexamethasone used as an inhaled steroid
Pokriefka 1993 ⁷⁵	No inclusion / exclusion criteria mentioned
Townsend 1998 ⁷⁶	No relevant outcomes reported

eTable 3. Network Characteristics for All the Outcomes and Sensitivity Analysis

BPD or Mortality at 36 weeks				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC Vs Placebo	8	1123	597	53.2
EIBEC Vs Placebo	3	360	101	28.1
EIBUD Vs LaMdDX	1	292	169	57.9
EIBUD Vs LIBUD	1	284	168	59.2
EIBUD Vs Placebo	4	987	404	40.9
EIFLUT Vs Placebo	3	304	153	50.3
ITBUD Vs Placebo	3	467	263	56.3
LaHdDX Vs LIBEC	2	137	104	75.9
LaHdDX Vs MoHdDX	1	76	31	40.8
LaLdDX Vs Placebo	1	70	62	88.6
LHC Vs Placebo	2	434	323	74.4
LaHd DX Vs Placebo	2	142	119	83.8
MoMdDX Vs Placebo	3	120	57	47.5
MoMdDX Vs MoHdDX	2	92	80	87.0
MoHdDX Vs Placebo	2	108	70	64.8
MoLdDX Vs Placebo	1	60	37	61.7
LaMdDX Vs LaLdDX	1	17	14	82.3
LaHdDX Vs LaMdDX	1	25	19	76.0
MoMdDX Vs MoLdDX	3	137	27	19.7
LaMdDX Vs LIBUD	2	332	192	57.8
LIBEC Vs Placebo	1	43	20	46.5
MoMdDX Vs LaMdDX	1	30	5	16.7
LaMdDX Vs Placebo	1	23	22	95.6
Secondary outcome - BPD at 36 weeks PMA				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	8	997	395	39.6

EIBEC vs. PLACEBO	3	315	75	23.8
EIBUD vs. LaMdDX	1	227	103	45.4
EIBUD vs. LIBUD	1	222	105	47.3
EIBUD vs. PLACEBO	4	852	270	31.7
EIFLUT vs. PLACEBO	2	64	12	18.8
ITBUD vs. PLACEBO	2	317	130	41.0
LaHdDX vs. LaMdDX	1	17	12	70.6
LaHdDX vs. LIBEC	2	128	95	74.2
LaHdDX vs. MoHdDX	1	69	24	34.8
LaHdDX vs. PLACEBO	2	123	86	69.9
LaLdDX vs. LaMdDX	1	16	12	75.0
LaLdDX vs. PLACEBO	1	65	57	87.7
LaMdDX vs. LIBUD	2	266	126	47.4
LaMdDX vs. MoMdDX	1	29	4	13.8
LaMdDX vs. PLACEBO	1	13	13	100
LHC vs. PLACEBO	2	346	234	67.6
LIBEC vs. PLACEBO	1	75	25	33.3
MoHdDX vs. MoMdDX	2	83	70	84.3
MoHdDX vs. PLACEBO	2	97	59	60.8
MoLdDX vs. MoMdDX	3	130	20	15.4
MoLdDX vs. PLACEBO	1	47	24	51.1
MoMdDX vs. PLACEBO	3	112	45	40.2

Secondary Outcome - Mortality

Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	8	1124	218	19.4
EIBEC vs. PLACEBO	3	360	28	7.8
EIBUD vs. LaMdDX	1	293	75	25.6
EIBUD vs. LIBUD	1	285	67	23.5
EIBUD vs. PLACEBO	5	1056	145	13.7
EIFLUT vs. PLACEBO	3	304	46	15.1

ITBUD vs. PLACEBO	2	381	67	17.6
LaHdDX vs. LaMdDX	1	25	7	28.0
LaHdDX vs. LIBEC	2	137	9	6.6
LaHdDX vs. MoHdDX	1	76	7	9.2
LaHdDX vs. PLACEBO	2	142	33	23.2
LaLdDX vs. LaMdDX	1	17	2	11.8
LaLdDX vs. PLACEBO	1	70	8	11.4
LaMdDX vs. LIBUD	2	332	73	22.0
LaMdDX vs. MoMdDX	1	30	1	3.3
LaMdDX vs. PLACEBO	1	23	9	39.1
LHC vs. PLACEBO	2	435	106	24.4
LIBEC vs. PLACEBO	2	99	11	11.1
MoHdDX vs. MoMdDX	2	92	10	10.9
MoHdDX vs. PLACEBO	2	108	13	12.0
MoLdDX vs. MoMdDX	3	137	7	5.1
MoLdDX vs. PLACEBO	1	60	13	21.7
MoMdDX vs. PLACEBO	4	135	14	10.4
Secondary Outcome - BPD at 28 days				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EIBEC vs. PLACEBO	3	335	158	47.1
EIBUD vs. ITBUD	1	138	11	8.0
EIBUD vs. LaMdDX	1	293	177	60.4
EIBUD vs. LIBUD	1	285	177	62.1
EIBUD vs. PLACEBO	4	257	78	30.3
EIFLUT vs. PLACEBO	2	79	43	54.4
ITBUD vs. PLACEBO	2	122	18	14.8
LaHdDX vs. LIBEC	1	76	76	100
LaHdDX vs. MoHdDX	1	72	42	58.3
LaMdDX vs. LIBUD	2	332	222	66.9
LaMdDX vs. MoMdDX	1	30	16	53.3

LHC vs. PLACEBO	1	371	285	76.8
LIBEC vs. PLACEBO	1	86	45	52.3
MoHdDX vs. MoMdDX	1	33	29	87.9
MoHdDX vs. PLACEBO	2	99	90	90.9
MoLdDX vs. PLACEBO	1	60	50	83.3
MoMdDX vs. PLACEBO	2	84	45	53.6
Secondary Outcome - IVH >II				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	7	1088	166	15.2
EIBEC vs. PLACEBO	2	309	30	9.7
EIBUD vs. PLACEBO	1	69	3	4.3
EIFLUT vs. PLACEBO	2	265	41	15.5
ITBUD vs. PLACEBO	1	116	13	11.2
LaHdDX vs. LIBEC	1	61	15	24.6
LaHdDX vs. MoHdDX	1	76	7	9.2
LHC vs. PLACEBO	1	361	5	1.4
LIBEC vs. PLACEBO	1	19	5	26.3
MoHdDX vs. MoMdDX	1	33	7	21.2
MoLdDX vs. PLACEBO	1	60	7	11.7
Secondary Outcome - PVL				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	5	894	41	4.6
EIBEC vs. PLACEBO	2	313	22	7.0
EIFLUT vs. PLACEBO	2	264	10	3.8
LaHdDX vs. LIBEC	2	137	17	12.4
LaHdDX vs. PLACEBO	1	118	20	16.9
LaLdDX vs. PLACEBO	1	59	3	5.1
LHC vs. PLACEBO	1	371	16	4.3
MoHdDX vs. PLACEBO	1	30	1	3.3
Secondary Outcome - Hyperglycemia				

Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	3	590	256	43.4
EIBUD vs. LaMdDX	1	277	87	31.4
EIBUD vs. LIBUD	1	266	80	30.1
EIBUD vs. PLACEBO	1	23	3	13.0
EIFLUT vs. PLACEBO	2	93	27	29.0
LaHdDX vs. LaMdDX	1	25	8	32.0
LaHdDX vs. LIBEC	2	137	4	2.9
LaHdDX vs. MoHdDX	1	40	13	32.5
LaHdDX vs. PLACEBO	2	142	20	14.1
LaLdDX vs. LaMdDX	1	16	3	18.8
LaMdDX vs. LIBUD	2	303	94	31.0
LaMdDX vs. MoMdDX	1	30	13	43.3
LaMdDX vs. PLACEBO	1	23	8	34.8
LHC vs. PLACEBO	2	434	77	17.7
MoHdDX vs. PLACEBO	1	78	45	57.7
MoLdDX vs. MoMdDX	2	109	18	16.5
MoMdDX vs. PLACEBO	4	135	34	25.2
Secondary Outcome - Hypertension				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	1	42	4	9.5
EIBUD vs. LaMdDX	1	274	42	15.3
EIBUD vs. LIBUD	1	263	30	11.4
EIBUD vs. PLACEBO	2	879	16	1.8
EIFLUT vs. PLACEBO	2	93	9	9.7
LaHdDX vs. LIBEC	2	137	21	15.3
LaHdDX vs. MoHdDX	1	76	0	0
LaHdDX vs. PLACEBO	1	118	10	8.4
LaLdDX vs. LaMdDX	1	16	4	25.0
LaMdDX vs. LIBUD	2	301	34	11.3

LaMdDX vs. MoMdDX	1	30	22	73.3
LHC vs. PLACEBO	2	435	53	12.2
MoHdDX vs. PLACEBO	1	78	0	0
MoLdDX vs. MoMdDX	2	109	13	11.9
MoMdDX vs. PLACEBO	3	99	12	12.1
Secondary Outcome - NEC >II				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	8	1121	73	6.5
EIBEC vs. PLACEBO	1	253	41	16.2
EIBUD vs. LaMdDX	1	289	28	9.7
EIBUD vs. LIBUD	1	283	25	8.8
EIBUD vs. PLACEBO	1	856	62	7.2
EIFLUT vs. PLACEBO	2	264	22	8.3
LaHdDX vs. LIBEC	1	76	5	6.6
LaHdDX vs. MoHdDX	1	39	8	20.5
LaLdDX vs. PLACEBO	1	70	4	5.7
LaMdDX vs. LIBUD	1	288	29	10.1
LaMdDX vs. MoMdDX	1	30	0	0
LHC vs. PLACEBO	2	435	41	9.4
MoHdDX vs. PLACEBO	2	108	15	13.9
MoLdDX vs. MoMdDX	2	109	3	2.7
MoMdDX vs. PLACEBO	1	43	1	2.3
Secondary Outcome - Sepsis				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	7	1078	334	31.0
EIBEC vs. PLACEBO	2	95	55	57.9
EIBUD vs. LaMdDX	1	288	89	30.9
EIBUD vs. LIBUD	1	283	88	31.1
EIBUD vs. PLACEBO	3	909	295	32.4

EIFLUT vs. PLACEBO	3	304	49	16.1
ITBUD vs. PLACEBO	2	381	78	20.5
LaHdDX vs. LaMdDX	1	25	10	40.0
LaHdDX vs. LIBEC	2	137	24	17.5
LaHdDX vs. MoHdDX	1	40	2	5.0
LaHdDX vs. PLACEBO	1	24	9	37.5
LaLdDX vs. PLACEBO	1	70	33	47.1
LaMdDX vs. LIBUD	2	325	105	32.3
LaMdDX vs. MoMdDX	1	30	5	16.7
LaMdDX vs. PLACEBO	1	23	11	47.8
LHC vs. PLACEBO	2	435	230	52.9
LIBEC vs. PLACEBO	3	126	23	18.2
MoHdDX vs. MoMdDX	2	92	18	19.6
MoHdDX vs. PLACEBO	2	108	38	35.2
MoLdDX vs. MoMdDX	3	137	22	16.1
MoMdDX vs. PLACEBO	3	99	12	12.1
Secondary Outcome - Severe ROP				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	5	476	110	23.1
EIBEC vs. PLACEBO	2	309	60	19.4
EIBUD vs. LaMdDX	1	218	17	7.8
EIBUD vs. LIBUD	1	212	19	9.0
EIBUD vs. PLACEBO	1	724	240	33.1
EIFLUT vs. PLACEBO	1	53	4	7.5
ITBUD vs. PLACEBO	1	226	16	7.1
LaHdDX vs. LaMdDX	1	25	5	20.0
LaHdDX vs. LIBEC	2	128	32	25.0
LaHdDX vs. MoHdDX	1	35	3	8.6
LaHdDX vs. PLACEBO	2	132	62	47.0
LaLdDX vs. PLACEBO	1	61	25	41.0

LaMdDX vs. LIBUD	1	226	22	9.7
LaMdDX vs. MoMdDX	1	30	3	10.0
LaMdDX vs. PLACEBO	1	23	4	17.4
LHC vs. PLACEBO	1	371	86	23.2
MoHdDX vs. PLACEBO	1	65	17	26.1
MoLdDX vs. MoMdDX	2	73	14	19.2
MoLdDX vs. PLACEBO	1	47	11	23.4
MoMdDX vs. PLACEBO	2	56	13	23.2
Secondary Outcome - Moderate to severe NDI at 18-24 months				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	3	676	128	18.9
EIBEC vs. PLACEBO	1	56	17	30.3
EIBUD vs. PLACEBO	1	629	313	49.8
EIFLUT vs. PLACEBO	1	187	19	10.2
ITBUD vs. PLACEBO	2	239	84	35.1
LaHdDX vs. LaMdDX	1	18	9	50.0
LaHdDX vs. MoHdDX	1	64	33	51.6
LaHdDX vs. PLACEBO	1	14	5	35.7
LaLdDX vs. LaMdDX	1	15	6	40.0
LaLdDX vs. PLACEBO	1	56	20	35.7
LaMdDX vs. PLACEBO	1	14	10	71.0
LHC vs. PLACEBO	1	37	16	43.2
MoHdDX vs. MoMdDX	2	89	16	18.0
MoLdDX vs. PLACEBO	1	33	2	6.1
Secondary Outcome - CP at 24 months				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	3	676	58	8.6
EIBEC vs. PLACEBO	1	56	7	12.5
EIBUD vs. PLACEBO	1	670	45	6.7
EIFLUT vs. PLACEBO	1	190	4	2.1

LaHdDX vs. LaMdDX	1	18	5	27.8
LaHdDX vs. PLACEBO	1	14	2	14.3
LaLdDX vs. PLACEBO	1	56	10	17.9
LaMdDX vs. PLACEBO	1	14	7	50.0
LHC vs. PLACEBO	1	37	4	10.8
MoHdDX vs. PLACEBO	2	74	14	18.9
MoLdDX vs. MoMdDX	2	75	8	10.7
MoLdDX vs. PLACEBO	1	33	2	6.1
Secondary Outcome - Successful extubation by day 7 - 14 of randomization				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	1	521	268	51.4
EIBEC vs. PLACEBO	2	99	37	37.3
EIBUD vs. PLACEBO	2	40	18	45.0
EIFLUT vs. PLACEBO	2	93	34	36.5
ITBUD vs. PLACEBO	1	101	29	28.7
LaHdDX vs. LaMdDX	1	25	7	28.0
LaHdDX vs. LIBEC	1	61	13	21.3
LaLdDX vs. LaMdDX	1	16	7	43.7
LaLdDX vs. PLACEBO	1	69	25	36.2
LHC vs. PLACEBO	2	410	119	29.0
LIBEC vs. PLACEBO	1	19	7	36.8
LIBUD vs. PLACEBO	1	20	0	0
MoHdDX vs. MoMdDX	1	56	47	83.9
MoLdDX vs. MoMdDX	2	109	35	32.1
MoMdDX vs. PLACEBO	3	120	37	30.8
Secondary Outcome - Gastrointestinal perforation				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	8	1124	59	5.2
EIBUD vs. LaMdDX	1	289	6	2.1
EIBUD vs. LIBUD	1	283	5	1.7

EIBUD vs. PLACEBO	1	856	70	8.2
LaLdDX vs. LaMdDX	1	16	0	0
LaMdDX vs. LIBUD	1	286	9	3.1
LaMdDX vs. MoMdDX	1	30	0	0
LHC vs. PLACEBO	2	434	15	3.4
MoLdDX vs. MoMdDX	2	109	4	3.7
MoMdDX vs. PLACEBO	1	41	2	4.9
Secondary Outcome - Hypertrophic cardiomyopathy				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
MoHdDX vs. PLACEBO	2	103	22	21.3
MoLdDX vs. PLACEBO	1	60	8	13.3
MoMdDX vs. PLACEBO	1	16	2	12.5
Sensitivity analysis by including duration of systemic corticosteroid therapy for the primary outcome - Mortality or BPD at 36 weeks' PMA				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	8	1123	597	53.2
EIBEC vs. PLACEBO	3	360	101	28.1
EIBUD vs. LaMdMcDEX	1	292	169	57.9
EIBUD vs. LIBUD	1	284	168	59.2
EIBUD vs. PLACEBO	4	987	404	40.9
EIFLUT vs. PLACEBO	3	304	153	50.3
ITBUD vs. PLACEBO	3	467	263	56.3
LaHdLcDEX vs. LaMdLcDEX	1	25	19	76
LaHdLcDEX vs. LIBEC	2	137	104	75.9
LaHdLcDEX vs. MoHdMcDEX	1	76	31	40.8
LaHdLcDEX vs. PLACEBO	2	142	119	83.8
LaLdMcDEX vs. PLACEBO	1	70	62	88.6

LaMdLcDEX vs. MoMdLcDEX	1	30	5	16.7
LaMdLcDEX vs. PLACEBO	1	23	22	95.6
LaMdMcDEX vs. LIBUD	2	332	192	57.8
LHC vs. PLACEBO	2	434	323	74.4
LIBEC vs. PLACEBO	1	86	36	41.2
MoHdLcDEX vs. MoMdLcDEX	1	33	25	75.8
MoHdLcDEX vs. MoMdMcDEX	1	59	55	93.2
MoHdLcDEX vs. PLACEBO	1	78	54	69.2
MoHdMcDEX vs. PLACEBO	1	30	16	53.3
MoLdScDEX vs. MoMdMcDEX	1	62	16	25.8
MoLdScDEX vs. MoMdScDEX	2	75	11	14.7
MoLdScDEX vs. PLACEBO	1	60	37	61.7
MoMdMcDEX vs. PLACEBO	1	36	16	44.4
MoMdScDEX vs. PLACEBO	2	84	41	48.8

Sensitivity analysis by excluding studies with less than 70% antenatal corticosteroids coverage for the primary outcome - Mortality or BPD at 36 weeks' PMA

Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	5	1003	532	53
EIBEC vs. PLACEBO	2	300	89	29.7
EIBUD vs. PLACEBO	2	884	389	44
ITBUD vs. PLACEBO	1	265	144	54.3
LaLdDX vs. LaMdDX	1	17	14	82.3
LaLdDX vs. PLACEBO	1	70	62	88.6

LaMdDX vs. MoMdDX	1	30	5	16.7
LHC vs. PLACEBO	2	434	323	74.4
MoLdDX vs. PLACEBO	1	60	37	61.7
MoMdDX vs. PLACEBO	1	36	16	44.4
Sensitivity analysis by excluding studies enrolling non-ventilated neonates at the time of randomization for the primary outcome - Mortality or BPD at 36 weeks' PMA				
Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	5	1019	538	52.8
EIBEC vs. PLACEBO	3	360	101	28.0
EIBUD vs. LaMdDX	1	292	169	57.9
EIBUD vs. LIBUD	1	284	168	59.1
EIBUD vs. PLACEBO	4	987	404	40.9
EIFLUT vs. PLACEBO	3	304	153	50.3
ITBUD vs. PLACEBO	2	381	197	51.7
LaHdDX vs. LaMdDX	1	25	19	76
LaHdDX vs. LIBEC	2	137	104	75.9
LaHdDX vs. MoHdDX	1	76	31	40.8
LaHdDX vs. PLACEBO	2	142	119	83.8
LaLdDX vs. LaMdDX	1	17	14	82.3
LaLdDX vs. PLACEBO	1	70	62	88.6
LaMdDX vs. LIBUD	2	332	192	57.8
LaMdDX vs. MoMdDX	1	30	5	16.7
LaMdDX vs. PLACEBO	1	23	22	95.6
LHC vs. PLACEBO	2	434	323	74.4
LIBEC vs. PLACEBO	1	86	36	41.9
MoHdDX vs. MoMdDX	2	92	80	86.9
MoHdDX vs. PLACEBO	2	108	70	64.8
MoLdDX vs. MoMdDX	3	137	27	19.7
MoLdDX vs. PLACEBO	1	60	37	61.7
MoMdDX vs. PLACEBO	3	120	57	47.5

Sensitivity analysis by excluding intra-tracheal budesonide studies for the primary outcome - Mortality or BPD at 36 weeks' PMA

Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	8	1123	597	53.2
EIBEC vs. PLACEBO	3	360	101	28.1
EIBUD vs. LaMdDX	1	292	169	57.9
EIBUD vs. LIBUD	1	284	168	59.2
EIBUD vs. PLACEBO	4	987	404	40.9
EIFLUT vs. PLACEBO	3	304	153	50.3
LaHdDX vs. LaMdDX	1	25	19	76
LaHdDX vs. LIBEC	2	137	104	75.9
LaHdDX vs. MoHdDX	1	76	31	40.8
LaHdDX vs. PLACEBO	2	142	119	83.8
LaLdDX vs. LaMdDX	1	17	14	82.3
LaLdDX vs. PLACEBO	1	70	62	88.6
LaMdDX vs. LIBUD	2	332	192	57.8
LaMdDX vs. MoMdDX	1	30	5	16.7
LaMdDX vs. PLACEBO	1	23	22	95.6
LHC vs. PLACEBO	2	434	323	74.4
LIBEC vs. PLACEBO	1	86	36	41.8
MoHdDX vs. MoMdDX	2	92	80	87
MoHdDX vs. PLACEBO	2	108	70	64.8
MoLdDX vs. MoMdDX	3	137	27	19.7
MoLdDX vs. PLACEBO	1	60	37	61.6
MoMdDX vs. PLACEBO	3	120	57	47.5

Sensitivity analysis by excluding high risk of bias studies for the primary outcome - Mortality or BPD at 36 weeks' PMA

Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EIBEC vs. PLACEBO	3	335	158	47.2
EIBUD vs. ITBUD	1	138	11	7.9

EIBUD vs. LaMdDX	1	293	177	60.4
EIBUD vs. LIBUD	1	285	177	62.1
EIBUD vs. PLACEBO	4	257	78	30.3
EIFLUT vs. PLACEBO	2	79	43	54.4
ITBUD vs. PLACEBO	2	122	18	14.8
LaHdDX vs. LIBEC	1	76	76	100
LaHdDX vs. MoHdDX	1	72	42	58.3
LaMdDX vs. LIBUD	2	332	222	66.9
LaMdDX vs. MoMdDX	1	30	16	53.3
LHC vs. PLACEBO	1	371	285	76.8
LIBEC vs. PLACEBO	1	86	45	52.3
MoHdDX vs. MoMdDX	1	33	29	87.9
MoHdDX vs. PLACEBO	2	99	90	90.9
MoLdDX vs. PLACEBO	1	60	50	83.3
MoMdDX vs. PLACEBO	2	84	45	53.6

Sensitivity analysis by combining the different types of inhaled corticosteroids for the primary outcome - Mortality or BPD at 36 weeks' PMA

Comparison	Number of studies	Number of subjects	Number of outcomes	Event rate(%)
EHC vs. PLACEBO	8	1123	597	53.2
EICS vs. LaMdDX	1	292	169	57.9
EICS vs. LICS	1	284	168	59.2
EICS vs. PLACEBO	10	1651	658	39.9
ITBUD vs. PLACEBO	3	467	263	56.3
LaHdDX vs. LaMdDX	1	25	19	76
LaHdDX vs. LICS	2	137	104	75.9
LaHdDX vs. MoHdDX	1	76	31	40.8
LaHdDX vs. PLACEBO	2	142	119	83.8
LaLdDX vs. LaMdDX	1	17	14	82.3
LaLdDX vs. PLACEBO	1	70	62	88.6
LaMdDX vs. LICS	2	332	192	57.8
LaMdDX vs. MoMdDX	1	30	5	16.6

LaMdDX vs. PLACEBO	1	23	22	95.6
LHC vs. PLACEBO	2	434	323	74.4
LICS vs. PLACEBO	1	86	36	41.9
MoHdDX vs. MoMdDX	2	92	80	86.9
MoHdDX vs. PLACEBO	2	108	70	64.8
MoLdDX vs. MoMdDX	3	137	27	19.7
MoLdDX vs. PLACEBO	1	60	37	61.7
MoMdDX vs. PLACEBO	3	120	57	47.5

eTable 4. GRADE/Quality of Evidence for Some of the Secondary Outcomes

Secondary Outcome - BPD at 36 weeks' PMA				
	Indirect Evidence	Direct Evidence	Network Meta-analysis^s	
Comparison	Quality of evidence	Quality of evidence	Risk Ratio(95% Credible Interval)	Quality of evidence
ITBUD:EHC	Moderate ^{&}	-	0.62 (0.42, 0.89)	Moderate
ITBUD:PLACEBO	-	Moderate ^{&}	0.53 (0.37, 0.72)	Moderate
ITBUD:LHC	Moderate ^{&}		0.52 (0.34, 0.74)	Moderate
ITBUD:LaLdDX	Moderate ^{&}	-	0.61 (0.39, 0.91)	Moderate
ITBUD:LaMdDX	Low ^{&&}		0.63 (0.38, 0.99)	Low
MoMdDX:EHC	Low ^{*&}	-	0.67 (0.47, 0.93)	Low
MoMdDX:LaLdDX	Very low ^{*&&}		0.66(0.43, 0.95)	Very low
MoMdDX:PLACEBO	Moderate ^{&}	Low ^{*&}	0.58 (0.42, 0.76)	Moderate
MoMdDX:LHC	Low ^{*&}	-	0.56 (0.38, 0.78)	Low
MoHdDX:EHC	Moderate ^{&}	-	0.73 (0.52, 0.99)	Moderate
MoHdDX:LHC	Moderate ^{&}	-	0.61 (0.42, 0.83)	Moderate
MoHdDX:PLACEBO	Low ^{*&}	Moderate ^{&}	0.62 (0.47, 0.80)	Moderate
EIBUD:PLACEBO	Low ^{*&}	Moderate ^{&}	0.73 (0.57, 0.90)	Moderate
EIBUD:LHC	Moderate ^{&}	-	0.71(0.51, 0.94)	Moderate
LaHdDX:PLACEBO	Low ^{*&}	Moderate ^{&}	0.74(0.55, 0.95)	Moderate
LaHdDX:LHC	Moderate ^{&}		0.71(0.50, 0.98)	Moderate
Secondary Outcome - Mortality				
	Indirect Evidence	Direct Evidence	Network Meta-analysis	
Comparison	Quality of evidence	Quality of evidence	Risk Ratio(95% Credible Interval)	Quality of evidence
MoMdDX:PLACEBO	Very low ^{*&&}	Low ^{&*}	0.43 (0.18, 0.82)	Low
EHC:PLACEBO	-	Moderate ^{&}	0.69 (0.44, 0.98)	Moderate
Secondary Outcome - Cardiomyopathy (only direct evidence assessed)				
	Indirect Evidence	Direct Evidence		

Comparison	Quality of evidence	Quality of evidence	Risk Ratio(95% Credible Interval)	
MoHdDX:PLACEBO	-	Low*&	5.94 (1.95;18.11)	
Secondary Outcome - GI Perforation				
	Indirect Evidence	Direct Evidence	Network Meta-analysis	
Comparison	Quality of evidence	Quality of evidence	Risk Ratio(95% Credible Interval)	Quality of evidence
EHC VS PLACEBO	-	Moderate&	2.77 (1.09, 9.32)	Moderate&
Secondary Outcome - NDI				
	Indirect Evidence	Direct Evidence	Network Meta-analysis	
Comparison	Quality of evidence	Quality of evidence	Risk Ratio(95% Credible Interval)	Quality of evidence
LaHdDX:LaMdDX	Low&&	Low&&	0.31(0.03, 0.90)	Low
Secondary Outcome - Successful extubation				
	Indirect Evidence	Direct Evidence	Network Meta-analysis	
Comparison	Quality of evidence	Quality of evidence	Risk Ratio(95% Credible Interval)	Quality of evidence
LaHdDX:EIFLUT	Low&&	-	10.55 (1.06, 42.94)	Low
LaHdDX:EIBEC	Very low+&&	-	11.42 (1.09, 45.47)	Very low
LaHdDX:PLACEBO	Low&&	-	11.91(1.64,44.49)	Low
LaLdDX:PLACEBO	Very low*&&	Low&&	6.33(1.62, 18.56)	Low
MoHdDX:PLACEBO	Low*&	-	4.96 (1.14, 14.75)	Low
ITBUD:PLACEBO	-	Low&&	4.36 (1.04, 12.90)	Low
MoMdDX:PLACEBO	-	Low*&	3.16 (1.35, 6.82)	Low
Secondary Outcome - Hypertension				
	Indirect Evidence	Direct Evidence	Network Meta-analysis	
Comparison	Quality of evidence	Quality of evidence	Risk Ratio(95% Credible Interval)	Quality of evidence

MoMdx:PLACEBO	Low*&	Low*&	3.96(1.10,30.91)	Very low ⁺⁺
<p>*Limitations (risk of bias). ⁺Heterogeneity. &Imprecision. &&Severe imprecision.#Indirectness, ⁺Inconsistency, ^{\$} values in bold are statistically significant</p> <p>GRADE Ranking the Quality of Evidence</p> <p><i>High quality</i> - Very confident that the true effect lies close to that of the estimate of the effect</p> <p><i>Moderate quality</i> - Moderately confident in the effect estimate: the true effect is likely to be close to the estimate of the effect, but there is a possibility that it is substantially different</p> <p><i>Low quality</i> - Confidence in the effect estimate is limited: the true effect may be substantially different from the estimate of the effect</p> <p><i>Very low quality</i> - Very little confidence in the effect estimate: the true effect is likely to be substantially different from the estimate of effect</p>				

REFERENCES

1. Dimitriou G, Greenough A, Giffin FJ, Kavadia V. Inhaled versus systemic steroids in chronic oxygen dependency of preterm infants. *Eur J Pediatr.* 1997;156(1):51-55.
2. Halliday HL, Patterson CC, Halahakoon CW; European Multicenter Steroid Study Group. A multicenter, randomized open study of early corticosteroid treatment (OSECT) in preterm infants with respiratory illness: comparison of early and late treatment and of dexamethasone and inhaled budesonide. *Pediatrics.* 2001;107(2):232-240.
3. Cole CH, Colton T, Shah BL, et al. Early inhaled glucocorticoid therapy to prevent bronchopulmonary dysplasia. *N Engl J Med.* 1999;340(13):1005-1010.
4. Zimmerman JJ, Gabbert D, Shivpuri C, Kayata S, Miller J, Ciesielski W. Meter-dosed, inhaled beclomethasone initiated at birth to prevent bronchopulmonary dysplasia. *Pediatr Crit Care Med.* 2000;1(2):140-145.
5. Jangaard KA, Stinson DA, Allen AC, Vincer MJ. Early prophylactic inhaled beclomethasone in infants less than 1250 g for the prevention of chronic lung disease. *Paediatr Child Health.* 2002;7(1):13-19
6. Yeh TF, Lin HC, Chang CH, et al. Early intratracheal instillation of budesonide using surfactant as a vehicle to prevent chronic lung disease in preterm infants: a pilot study. *Pediatrics.* 2008;121(5): e1310-e1318.
7. Kuo HT, Lin HC, Tsai CH, Chouc IC, Yeh TF. A follow-up study of preterm infants given budesonide using surfactant as a vehicle to prevent chronic lung disease in preterm infants. *J Pediatr.* 2010;156(4):537-541.
8. Yeh TF, Chen CM, Wu SY, et al. Intratracheal Administration of Budesonide/Surfactant to Prevent Bronchopulmonary Dysplasia. *Am J Respir Crit Care Med.* 2016;193(1):86-95.
9. Pan J, Chen MW, Ni WQ, et al. *Zhongguo Dang Dai Er Ke Za Zhi.* 2017;19(2):137-141.
10. Ke H, Li ZK, Yu XP, Guo JZ. *Zhongguo Dang Dai Er Ke Za Zhi.* 2016;18(5):400-404.

11. Cao YY, Yao G, Wang Y, *et al.* Aerosol Inhalation of Budesonide and Pulmonary Surfactant to Prevent Bronchopulmonary Dysplasia. *J Pediatr Pharmacy*, 2018,24(03):25-29
12. Merz U, Kusenbach G, Hausler M, Peschgens T, Hornchen H. Inhaled budesonide in ventilator dependent preterm infants: A randomized, double-blind pilot study. *Biology of the Neonate* 1999; 75:46-53.
13. Lin Y, Lin H, Lin C, *et al.* Early endotracheal instillation of budesonide (B) for prevention of CLD in preterm infant with RDS-a double blind clinical trial. *Ped Res* 2001;49:278A.
14. Bassler D, Plavka R, Shinwell ES, *et al.* Early Inhaled Budesonide for the Prevention of Bronchopulmonary Dysplasia. *N Engl J Med.* 2015;373(16):1497-1506.
15. Bassler D, Shinwell ES, Hallman M, *et al.* Long-Term Effects of Inhaled Budesonide for Bronchopulmonary Dysplasia. *N Engl J Med.* 2018;378(2):148-157.
16. Sadeghnia A, Beheshti BK, Mohammadizadeh M. The Effect of Inhaled Budesonide on the Prevention of Chronic Lung Disease in Premature Neonates with Respiratory Distress Syndrome. *Int J Prev Med.* 2018; 9:15
17. Fok TF, Lam K, Dolovich M, *et al.* Randomised controlled study of early use of inhaled corticosteroid in preterm infants with respiratory distress syndrome. *Arch Dis Child Fetal Neonatal Ed.* 1999;80(3): F203-F208
18. Yong_WSC, Carney_S, Pearse_RG, Gibson_AT. The effect of inhaled fluticasone propionate (FP) on premature babies at risk for developing chronic lung disease of prematurity. *Arch Dis Child Fetal Neonatal Ed.* 1999;80: G64.
19. Nakamura T, Yonemoto N, Nakayama M, *et al.* Early inhaled steroid use in extremely low birthweight infants: a randomised controlled trial. *Arch Dis Child Fetal Neonatal Ed.* 2016;101(6): F552-F556

20. Malloy_CA, Hilal_K, Weiss_MG, Rizvi_Z, Muraskas_JK. A prospective, randomized, double-masked trial comparing low dose to conventional dose dexamethasone in neonatal chronic lung disease. *Internet Journal of Pediatrics and Neonatology* 2005; 5 (1) :10473.
21. Watterberg KL, Gerdes JS, Gifford KL, Lin HM. Prophylaxis against early adrenal insufficiency to prevent chronic lung disease in premature infants. *Pediatrics*. 1999;104(6):1258-1263.
22. Efirid_MM, Heerens_AT, Gordon_PV, Bose_CL, Young_DA. A randomized controlled trial of prophylactic hydrocortisone supplementation for the prevention of hypotension in extremely low birth weight infants. *J Perinatol* 2005;25(2):119-24.
23. Watterberg KL, Gerdes JS, Cole CH, et al. Prophylaxis of early adrenal insufficiency to prevent bronchopulmonary dysplasia: a multicenter trial. *Pediatrics*. 2004;114(6):1649-1657.
24. Watterberg KL, Shaffer ML, Mishefske MJ, et al. Growth and neurodevelopmental outcomes after early low-dose hydrocortisone treatment in extremely low birth weight infants. *Pediatrics*. 2007;120(1):40-48
25. Peltoniemi O, Kari MA, Heinonen K, et al. Pretreatment cortisol values may predict responses to hydrocortisone administration for the prevention of bronchopulmonary dysplasia in high-risk infants. *J Pediatr*. 2005;146(5):632-637.
26. Peltoniemi OM, Lano A, Puosi R, et al. Trial of early neonatal hydrocortisone: two-year follow-up. *Neonatology*. 2009;95(3):240-247
27. Bonsante F, Latorre G, Iacobelli S, et al. Early low-dose hydrocortisone in very preterm infants: a randomized, placebo-controlled trial. *Neonatology*. 2007;91(4):217-221.
28. Ng PC, Lee CH, Bnur FL, et al. A double-blind, randomized, controlled study of a "stress dose" of hydrocortisone for rescue treatment of refractory hypotension in preterm infants. *Pediatrics*. 2006;117(2):367-375.

- 29.Hochwald O, Palegra G, Osiovič H. Adding hydrocortisone as 1st line of inotropic treatment for hypotension in very low birth weight infants. *Indian J Pediatr.* 2014;81(8): 808-810.
- 30.Baud O, Maury L, Lebail F, et al. Effect of early low-dose hydrocortisone on survival without bronchopulmonary dysplasia in extremely preterm infants (PREMILOC): a double-blind, placebo-controlled, multicentre, randomised trial. *Lancet.* 2016;387(10030): 1827-1836.
- 31.Baud O, Trousson C, Biran V, et al. Two-year neurodevelopmental outcomes of extremely preterm infants treated with early hydrocortisone: treatment effect according to gestational age at birth. *Arch Dis Child Fetal Neonatal Ed.* 2019;104(1): F30-F35.
- 32.LaForce WR, Brudno DS. Controlled trial of beclomethasone dipropionate by nebulization in oxygen- and ventilator-dependent infants. *Journal of Pediatrics* 1993; 122:285-8.
- 33.Giep T, Raibbly P, Zuerlein T, Schwartz ID. Trial of beclomethasone dipropionate by metered-dose inhaler in ventilator-dependent neonates less than 1500 grams. *Am J Perinatol.* 1996;13(1):5-9
- 34.Denjeau A, Paris-Llado J, Zupan V, et al. Inhaled salbutamol and beclomethasone for preventing broncho-pulmonary dysplasia: a randomised double-blind study. *Eur J Pediatr.* 1998;157(11):926-931
- 35.Rozycki HJ, Byron PR, Elliott GR, Carroll T, Gutcher GR. Randomized controlled trial of three different doses of aerosol beclomethasone versus systemic dexamethasone to promote extubation in ventilated premature infants. *Pediatr Pulmonol.* 2003;35(5):375-383.
- 36.Suchomski SJ, Cummings JJ. A randomized trial of inhaled versus intravenous steroids in ventilator-dependent preterm infants. *J Perinatol.* 2002;22(3):196-203.

37. Arnon S, Grigg J, Silverman M. Effectiveness of budesonide aerosol in ventilator-dependent preterm babies: a preliminary report. *Pediatr Pulmonol.* 1996;21(4):231-235.
38. Jónsson B, Eriksson M, Söder O, Broberger U, Lagercrantz H. Budesonide delivered by dosimetric jet nebulization to preterm very low birthweight infants at high risk for development of chronic lung disease. *Acta Paediatr.* 2000;89(12):1449-1455.
39. Parikh NA, Kennedy KA, Lasky RE, McDavid GE, Tyson JE. Pilot randomized trial of hydrocortisone in ventilator-dependent extremely preterm infants: effects on regional brain volumes. *J Pediatr.* 2013;162(4):685-690.e1.
40. Parikh NA, Kennedy KA, Lasky RE, Tyson JE. Neurodevelopmental Outcomes of Extremely Preterm Infants Randomized to Stress Dose Hydrocortisone. *PLoS One.* 2015;10(9): e0137051.
41. Onland W, Cools F, Kroon A, et al. Effect of Hydrocortisone Therapy Initiated 7 to 14 Days After Birth on Mortality or Bronchopulmonary Dysplasia Among Very Preterm Infants Receiving Mechanical Ventilation: A Randomized Clinical Trial. *JAMA.* 2019;321(4):354-363.
42. Cummings JJ, D'Eugenio DB, Gross SJ. A controlled trial of dexamethasone in preterm infants at high risk for bronchopulmonary dysplasia. *N Engl J Med.* 1989;320(23):1505-1510.
43. Kothadia JM, O'Shea TM, Roberts D, Auringer ST, Weaver RG 3rd, Dillard RG. Randomized placebo-controlled trial of a 42-Day tapering course of dexamethasone to reduce the duration of ventilator dependency in very low birth weight infants *Pediatrics.* 1999;104(1 Pt 1):22-27.
44. Doyle LW, Davis PG, Morley CJ, McPhee A, Carlin JB; DART Study Investigators. Low-dose dexamethasone facilitates extubation among chronically ventilator-dependent infants: a multicenter, international, randomized, controlled trial. *Pediatrics.* 2006;117(1):75-83

45. Doyle LW, Davis PG, Morley CJ, McPhee A, Carlin JB; DART Study Investigators. Outcome at 2 years of age of infants from the DART study: a multicenter, international, randomized, controlled trial of low-dose dexamethasone. *Pediatrics*. 2007;119(4): 716-721.
46. Kari MA, Heinonen K, Ikonen RS, Koivisto M, Raivio KO. Dexamethasone treatment in preterm infants at risk for bronchopulmonary dysplasia. *Arch Dis Child*. 1993;68 : 566-569.
47. Ramanathan_R, Siassi_B, Sardesai_S, deLemos_RA. Comparison of two dosage regimens of dexamethasone for early treatment of chronic lung disease in very low birth weight (VLBW). *Pediatric Research* 1994; 34:250A.
48. Brozanski BS, Jones JG, Gilmour CH, et al. Effect of pulse dexamethasone therapy on the incidence and severity of chronic lung disease in the very low birth weight infant. *J Pediatr*. 1995;126(5 Pt 1):769-776
49. Durand M, Sardesai S, McEvoy C. Effect of early dexamethasone therapy on pulmonary mechanics and chronic lung disease in very low birth weight infants: a randomised controlled trial. *Pediatrics* 1995;95:584-90.
50. Scott_SM, Backstrom_C, Bessman_S. Effect of five days of dexamethasone therapy on ventilator dependence and adrenocorticotropic hormone-stimulated cortisol concentrations. *J of Perinatol* 1997;17(1):24-8.
51. Bloomfield FH, Knight DB, Harding JE. Side effects of 2 different dexamethasone courses for preterm infants at risk of chronic lung disease: a randomized trial. *J Pediatr*. 1998;133(3):395-400
52. Armstrong DL, Penrice J, Bloomfield FH, Knight DB, Dezoete JA, Harding JE. Follow up of a randomised trial of two different courses of dexamethasone for preterm babies at risk of chronic lung disease. *Arch Dis Child Fetal Neonatal Ed*. 2002;86(2): F102-F107.

- 53.Kovács L, Davis GM, Faucher D, Papageorgiou A. Efficacy of sequential early systemic and inhaled corticosteroid therapy in the prevention of chronic lung disease of prematurity. *Acta Paediatr.* 1998;87(7):792-798.
- 54.Merz U, Kusenbach G, Häusler M, Peschgens T, Hörnchen H. Inhaled budesonide in ventilator-dependent preterm infants: a randomized, double-blind pilot study. *Biol Neonate.* 1999;75(1):46-53.
- 55.Romagnoli C, Zecca E, Vento G, Carolis MP, Papacci P, Tortorolo G. Early postnatal dexamethasone for the prevention of chronic lung disease in high-risk preterm infants. *Intensive Care Medicine* 1999;25(7):717-21.
- 56.Romagnoli C, Zecca E, Luciano R, Torrioli G, Tortorolo G. A three year follow up of preterm infants after moderately early treatment with dexamethasone. *Arch Dis Child Fetal Neonatal Ed.* 2002;87(1): F55-F58.
- 57.Durand M, Mendoza ME, Tantivit P, Kugelman A, McEvoy C. A randomized trial of moderately early low-dose dexamethasone therapy in very low birth weight infants: dynamic pulmonary mechanics, oxygenation, and ventilation. *Pediatrics.* 2002;109(2):262-268.
- 58.Walther FJ, Findlay RD, Durand M. Adrenal suppression and extubation rate after moderately early low-dose dexamethasone therapy in very preterm infants. *Early Hum Dev.* 2003;74(1):37-45.
- 59.McEvoy C, Bowling S, Williamson K, McGaw P, Durand M. Randomized, double-blinded trial of low-dose dexamethasone: II. Functional residual capacity and pulmonary outcome in very low birth weight infants at risk for bronchopulmonary dysplasia. *Pediatr Pulmonol.* 2004;38(1):55-63
- 60.Odd DE, Armstrong DL, Teele RL, Kuschel CA, Harding JE. A randomized trial of two dexamethasone regimens to reduce side-effects in infants treated for chronic lung disease of prematurity. *J Paediatr Child Health.* 2004;40(5-6):282-289.

61. Alishiri A, Mosavi SA. Association of postnatal dexamethasone use in the development of retinopathy of prematurity in low birth weight infants. *Int Eye Sci*, 2015; 15(3): 386:389
62. Marr BL, Mettelman BB, Bode MM, Gross SJ. Randomized Trial of 42-Day Compared with 9-Day Courses of Dexamethasone for the Treatment of Evolving Bronchopulmonary Dysplasia in Extremely Preterm Infants. *J Pediatr*. 2019; 211:20-26. e1.
63. Ariagno RL, Sweeney TJ, Baldwin RB, Inguillo D, Martin D: Dexamethasone effects on lung function and risks in 3-week-old ventilatory-dependent preterm infants. *Am Rev Respir Dis* 1987;135:A125.
64. Baden M, Bauer CR, Colle E, Klein G, Taeusch HW Jr, Stern L. A controlled trial of hydrocortisone therapy in infants with respiratory distress syndrome. *Pediatrics*. 1972;50(4): 526-534.
65. Barkemeyer BM, Davey A, Cummings JJ, Pappagallo M, Durand M, Stevens D, et al. Pulse vs. continuous dexamethasone therapy for neonatal chronic lung disease (CLD) in very low birthweight (VLBW) infants. *Pediatric Research*. 2000; Vol. 47, issue 4:276A
66. Biswas S, Buffery J, Enoch H, Bland M, Markiewicz M, Walters D. Pulmonary effects of triiodothyronine (T3) and hydrocortisone (HC) supplementation in preterm infants less than 30 weeks gestation: results of the THORN trial--thyroid hormone replacement in neonates. *Pediatr Res*. 2003;53(1):48-56.
67. Dexamethasone therapy in neonatal chronic lung disease: an international placebo-controlled trial. Collaborative Dexamethasone Trial Group. *Pediatrics*. 1991;88(3):421-427.
68. Silva OP, Kumaran VS, Knoppert DC. Randomized Controlled Trial Comparing Two Regimens of Dexamethasone in the Neonate with Chronic Lung Disease. *Pediatric Research*. 2002; Vol. 53:369A.
69. DeMartini TJ, Muraskas JK. Pulse versus tapered dosing dexamethasone for evolving bronchopulmonary dysplasia (BPD). *Pediatric Research* 1999;45(4):300A.

70. Deng LJ, Peng HB, Gong XQ. Effect of budesonide combined with pulmonary surfactant on severe respiratory distress syndrome in bronchopulmonary dysplasia. *Chin J Neonatol (Chinese)*, 2017,32(5):361- 36
71. Groneck P, Goetze-Speer B, Speer CP. Effects of inhaled beclomethasone compared to systemic dexamethasone on lung inflammation in preterm infants at risk of chronic lung disease. *Pediatr Pulmonol.* 1999;27(6):383-387.
72. Ng PC, Fok TF, Wong GW, Lam CW, Lee CH, Wong MY, et al. Pituitary–adrenal suppression in preterm, very low birth weight infants after inhaled fluticasone propionate treatment. *Journal of Clinical Endocrinology and Metabolism* 1998;83(7):2390–3
73. Papile LA, Tyson JE, Stoll BJ, et al. A multicenter trial of two dexamethasone regimens in ventilator-dependent premature infants. *N Engl J Med.* 1998;338(16):1112-1118
74. Pappagallo M, Abbasi S, Bhutani VK. Respiratory and systemic effects of inhaled dexamethasone on ventilator dependant preterm infants at risk for bronchopulmonary dysplasia. *Indian J Pediatr.* 1998;65(2):273-282.
75. Pokriefka E, Mehdizadeh B, Rabbani A. Inhaled flunisolide in bronchopulmonary dysplasia. *Pediatric Research* 1993;33:341A.
76. Townsend SF, Hale KA, Thilo EH. Early treatment with inhaled steroids does not improve outcome in extremely premature infants with respiratory distress. *Pediatric Research* 1998;43:300A.