# Supplementary Table 1. League table

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EPI-LSE

0.25 (0.02,2.76)	AV+sLS															
0.24 (0.03,2.20)	0.93 (0.09,9.91)	AV+iLS														
0.25 (0.02,3.13)	0.98 (0.07,13.90 )	1.05 (0.08,13.05 )	AV+AE- sgLS													
0.15 (0.02,0.99)	0.59 (0.08,4.57)	0.63 (0.10,4.11)	0.60 (0.07,4.86)	AV+AE- pv												
0.16 (0.02,1.52)	0.65 (0.06,6.84)	0.69 (0.08,6.30)	0.66 (0.07,6.59)	1.10 (0.20,5.98)	AV+AE- iLS											
0.13 (0.05,0.36)	0.53 (0.06,4.60)	0.57 (0.08,4.18)	0.54 (0.05,5.54)	0.89 (0.18,4.46)	0.82 (0.11,5.96)	AV+SR										
0.10 (0.01,0.81)	0.40 (0.04,3.68)	0.43 (0.05,3.36)	0.41 (0.05,3.53)	0.68 (0.15,3.04)	0.62 (0.10,3.68)	0.76 (0.12,4.69)	AV+AE- cLS									
0.05 (0.01,0.35)	0.21 (0.03,1.63)	0.23 (0.04,1.47)	0.22 (0.02,1.98)	0.36 (0.09,1.50)	0.33 (0.05,2.08)	0.41 (0.08,1.98)	0.54 (0.10,2.83)	ENS								
0.05 (0.01,0.31)	0.20 (0.03,1.45)	0.22 (0.04,1.29)	0.21 (0.02,1.78)	0.34 (0.09,1.29)	0.31 (0.05,1.84)	0.39 (0.09,1.73)	0.51 (0.10,2.49)	0.95 (0.26,3.49)	AV-eLS							
0.05 (0.01,0.40)	0.19 (0.02,1.79)	0.20 (0.02,1.64)	0.19 (0.02,2.03)	0.32 (0.06,1.72)	0.29 (0.04,2.19)	0.35 (0.05,2.31)	0.47 (0.07,3.03)	0.87 (0.16,4.79)	0.92 (0.18,4.72)	AE						
0.05 (0.01,0.27)	0.19 (0.03,1.26)	0.20 (0.04,1.11)	0.19 (0.03,1.19)	0.31 (0.12,0.85)	0.29 (0.07,1.14)	0.35 (0.08,1.47)	0.47 (0.15,1.45)	0.87 (0.26,2.91)	0.91 (0.30,2.75)	1.00 (0.23,4.40)	AV+AE					
0.04 (0.01,0.24)	0.18 (0.03,1.12)	0.19 (0.04,0.98)	0.18 (0.02,1.35)	0.30 (0.10,0.92)	0.27 (0.05,1.36)	0.33 (0.09,1.28)	0.44 (0.11,1.80)	0.82 (0.28,2.39)	0.86 (0.32,2.35)	0.94 (0.23,3.95)	0.95 (0.41,2.18)	CTR				
0.04 (0.01,0.21)	0.17 (0.03,0.99)	0.18 (0.04,0.86)	0.17 (0.02,1.23)	0.28 (0.10,0.79)	0.26 (0.05,1.22)	0.32 (0.09,1.09)	0.42 (0.11,1.60)	0.78 (0.29,2.09)	0.82 (0.35,1.90)	0.90 (0.22,3.65)	0.90 (0.44,1.83)	0.95 (0.56,1.60)	AV			
0.03 (0.00,0.40)	0.12 (0.01,1.78)	0.13 (0.01,1.67)	0.12 (0.01,2.03)	0.20 (0.02,1.95)	0.18 (0.01,2.33)	0.22 (0.02,2.46)	0.29 (0.03,3.35)	0.54 (0.06,5.34)	0.57 (0.06,5.33)	0.62 (0.07,5.37)	0.63 (0.07,5.43)	0.66 (0.08,5.36)	0.70 (0.09,5.52)	RTx		
0.02 (0.00,0.15)	0.09 (0.01,0.68)	0.09 (0.01,0.61)	0.09 (0.01,0.83)	0.15 (0.03,0.63)	0.14 (0.02,0.87)	0.17 (0.03,0.84)	0.22 (0.04,1.19)	0.41 (0.12,1.37)	0.43 (0.11,1.64)	0.47 (0.08,2.64)	0.47 (0.14,1.64)	0.50 (0.17,1.47)	0.53 (0.19,1.47)	0.75 (0.08,7.53)	AV-ENS	
0.01 (0.00,0.07)	0.03 (0.00,0.33)	0.04 (0.00,0.30)	0.03 (0.00,0.38)	0.06 (0.01,0.32)	0.05 (0.01,0.42)	0.06 (0.01,0.42)	0.09 (0.01,0.58)	0.16 (0.03,0.88)	0.17 (0.03,0.86)	0.18 (0.03,1.01)	0.18 (0.04,0.86)	0.19 (0.05,0.78)	0.20 (0.05,0.84)	0.29 (0.04,2.39)	0.39 (0.07,2.17)	SR

(	B)	

EPI-LSE

AV+AE-pV													
1.01 (0.19,5.36)	AV+iLS												
0.84 (0.13,5.50)	0.84 (0.12,5.79)	AV+sLS											
0.59 (0.12,2.98)	0.58 (0.11,3.17)	0.70 (0.10,4.65)	AV+SR										
0.56 (0.08,3.91)	0.56 (0.08,4.11)	0.67 (0.08,5.85)	0.96 (0.13,6.79)	VZVIG									
0.27 (0.03,2.19)	0.27 (0.03,2.29)	0.32 (0.03,3.23)	0.46 (0.06,3.80)	0.48 (0.05,4.63)	SR								
0.25 (0.06,0.98)	0.25 (0.06,1.05)	0.30 (0.06,1.59)	0.43 (0.11,1.71)	0.45 (0.08,2.56)	0.93 (0.14,6.28)	AV-eLS							
0.17 (0.05,0.53)	0.17 (0.05,0.58)	0.20 (0.05,0.90)	0.29 (0.09,0.93)	0.30 (0.06,1.47)	0.63 (0.11,3.65)	0.68 (0.32,1.43)	AV						
0.13 (0.01,1.55)	0.13 (0.01,1.60)	0.16 (0.01,2.21)	0.22 (0.02,2.68)	0.23 (0.02,3.11)	0.48 (0.09,2.58)	0.52 (0.05,5.29)	0.77 (0.09,6.90)	АСТН					
0.13 (0.03,0.59)	0.13 (0.03,0.63)	0.15 (0.02,0.94)	0.22 (0.05,1.03)	0.23 (0.04,1.41)	0.48 (0.07,3.47)	0.51 (0.14,1.82)	0.76 (0.27,2.10)	0.98 (0.09,10.51)	ENS				
0.13 (0.04,0.45)	0.13 (0.03,0.49)	0.15 (0.03,0.75)	0.22 (0.06,0.79)	0.23 (0.05,1.02)	0.48 (0.09,2.63)	0.52 (0.21,1.28)	0.76 (0.45,1.28)	0.99 (0.12,8.21)	1.01 (0.35,2.86)	CTR			
0.09 (0.02,0.35)	0.09 (0.02,0.38)	0.11 (0.02,0.57)	0.16 (0.04,0.61)	0.16 (0.03,0.91)	0.34 (0.05,2.12)	0.37 (0.13,1.03)	0.54 (0.26,1.10)	0.70 (0.07,6.76)	0.71 (0.21,2.46)	0.71 (0.30,1.66)	AV+AE		
0.08 (0.01,0.48)	0.08 (0.01,0.51)	0.09 (0.01,0.73)	0.14 (0.02,0.83)	0.14 (0.02,1.11)	0.29 (0.06,1.37)	0.32 (0.07,1.54)	0.47 (0.12,1.88)	0.61 (0.07,5.33)	0.62 (0.11,3.39)	0.61 (0.15,2.54)	0.87 (0.21,3.61)	AE	
0.07 (0.02,0.31)	0.07 (0.02,0.33)	0.09 (0.02,0.49)	0.12 (0.03,0.54)	0.13 (0.02,0.74)	0.27 (0.04,1.84)	0.29 (0.09,0.92)	0.43 (0.18,1.03)	0.56 (0.06,5.64)	0.57 (0.20,1.65)	0.57 (0.23,1.39)	0.80	0.92 (0.18,4.64)	AV-ENS
	1.01           (0.19,5.36)           0.84           (0.13,5.50)           0.59           (0.12,2.98)           0.56           (0.08,3.91)           0.27           (0.03,2.19)           0.25           (0.06,0.98)           0.17           (0.05,0.53)           0.13           (0.01,1.55)           0.13           (0.04,0.45)           0.09           (0.02,0.35)           0.08           (0.01,0.48)           0.07	1.01 (0.19,5.36)         AV+iLS           0.84 (0.13,5.50)         0.84 (0.12,5.79)           0.59 (0.12,2.98)         0.58 (0.11,3.17)           0.56 (0.08,3.91)         0.56 (0.08,4.11)           0.27 (0.03,2.19)         0.27 (0.03,2.29)           0.25 (0.06,0.98)         0.25 (0.06,1.05)           0.17 (0.05,0.53)         0.17 (0.05,0.58)           0.13 (0.01,1.55)         0.13 (0.01,1.60)           0.13 (0.03,0.59)         0.13 (0.03,0.49)           0.09 (0.02,0.35)         0.09 (0.02,0.38)           0.08 (0.01,0.48)         0.08 (0.01,0.51)           0.07         0.07	1.01 (0.19,5.36)         AV+iLS           0.84 (0.13,5.50)         0.84 (0.12,5.79)         AV+sLS           0.59 (0.12,2.98)         0.58 (0.11,3.17)         0.70 (0.10,4.65)           0.56 (0.08,3.91)         0.56 (0.08,4.11)         0.67 (0.08,5.85)           0.27 (0.03,2.19)         0.27 (0.03,2.29)         0.32 (0.06,0.98)           0.17 (0.05,0.53)         0.17 (0.05,0.58)         0.20 (0.05,0.59)           0.13 (0.01,1.55)         0.13 (0.01,1.60)         0.16 (0.01,2.21)           0.13 (0.03,0.59)         0.13 (0.03,0.63)         0.15 (0.02,0.94)           0.13 (0.04,0.45)         0.13 (0.02,0.35)         0.09 (0.02,0.35)           0.08 (0.01,0.48)         0.08 (0.01,0.51)         0.09 (0.01,0.73)           0.07         0.07         0.09	1.01 (0.19,5.36)         AV+ILS           0.84 (0.13,5.50)         0.84 (0.12,5.79)         AV+sLS           0.59 (0.12,2.98)         0.58 (0.11,3.17)         0.70 (0.10,4.65)         AV+sR           0.56 (0.08,3.91)         0.56 (0.08,4.11)         0.67 (0.08,5.85)         0.96 (0.13,6.79)           0.27 (0.03,2.19)         0.27 (0.03,2.29)         0.32 (0.06,1.59)         0.46 (0.13,6.79)           0.25 (0.06,0.98)         0.25 (0.06,1.05)         0.30 (0.06,1.59)         0.43 (0.11,1.71)           0.17 (0.05,0.53)         0.17 (0.05,0.58)         0.20 (0.05,0.90)         0.29 (0.09,0.93)           0.13 (0.01,1.55)         0.13 (0.01,1.60)         0.16 (0.01,2.21)         0.22 (0.02,2.68)           0.13 (0.03,0.59)         0.13 (0.03,0.63)         0.15 (0.02,0.94)         0.22 (0.05,1.03)           0.13 (0.04,0.45)         0.13 (0.03,0.63)         0.15 (0.02,0.94)         0.22 (0.06,0.79)           0.13 (0.04,0.45)         0.09 (0.02,0.35)         0.09 (0.02,0.35)         0.11 (0.02,0.35)         0.16 (0.04,0.61)           0.08 (0.01,0.48)         0.08 (0.01,0.51)         0.09 (0.01,0.73)         0.14 (0.02,0.83)	1.01 (0.19,5.36)         AV+ILS           0.84 (0.13,5.50)         0.84 (0.12,5.79)         AV+sLS           0.59 (0.12,2.98)         0.58 (0.11,3.17)         0.70 (0.10,4.65)         AV+sR           0.56 (0.08,3.91)         0.56 (0.08,4.11)         0.67 (0.08,5.85)         0.96 (0.13,6.79)         VZVIG           0.27 (0.03,2.19)         0.27 (0.03,2.29)         0.32 (0.06,1.05)         0.46 (0.06,3.80)         0.48 (0.05,4.63)           0.25 (0.06,0.98)         0.25 (0.06,1.05)         0.30 (0.06,1.59)         0.43 (0.11,1.71)         0.45 (0.08,2.56)           0.17 (0.05,0.53)         0.17 (0.05,0.58)         0.20 (0.05,0.90)         0.29 (0.02,2.68)         0.30 (0.06,1.47)           0.13 (0.01,1.55)         0.13 (0.01,1.60)         0.16 (0.01,2.21)         0.22 (0.02,2.68)         0.23 (0.02,3.11)           0.13 (0.03,0.59)         0.13 (0.03,0.63)         0.15 (0.02,0.94)         0.22 (0.05,1.03)         0.23 (0.04,1.41)           0.13 (0.04,0.45)         0.13 (0.03,0.63)         0.15 (0.02,0.94)         0.22 (0.06,0.79)         0.23 (0.05,1.02)           0.09 (0.02,0.35)         0.09 (0.02,0.38)         0.11 (0.02,0.57)         0.16 (0.04,0.61)         0.16 (0.03,0.91)           0.13 (0.04,0.45)         0.08 (0.01,0.51)         0.09 (0.02,0.83)         0.14 (0.02,0.83)         0.14 (0.02,1.11)	1.01 (0.19, 5.36)         AV+iLS           0.84 (0.13, 5.50)         0.84 (0.12, 5.79)         AV+sLS           0.59 (0.12, 2.98)         0.58 (0.11, 3.17)         0.70 (0.10, 4.65)         AV+SR           0.56 (0.08, 3.91)         0.56 (0.03, 2.19)         0.27 (0.03, 2.29)         0.32 (0.03, 3.23)         0.46 (0.06, 3.80)         0.48 (0.05, 4.63)         SR           0.27 (0.03, 2.19)         0.27 (0.03, 2.29)         0.32 (0.06, 1.59)         0.43 (0.11, 1.71)         0.45 (0.08, 2.66)         0.93 (0.14, 6.28)           0.25 (0.06, 0.98)         0.25 (0.05, 0.53)         0.30 (0.05, 0.590)         0.43 (0.11, 1.71)         0.45 (0.08, 2.56)         0.93 (0.14, 6.28)           0.17 (0.05, 0.53)         0.17 (0.05, 0.58)         0.20 (0.05, 0.90)         0.29 (0.09, 0.93)         0.63 (0.02, 3.11)         0.63 (0.11, 3.65)           0.13 (0.01, 1.55)         0.13 (0.01, 1.60)         0.16 (0.01, 2.21)         0.22 (0.02, 2.68)         0.23 (0.02, 3.11)         0.48 (0.09, 2.58)           0.13 (0.03, 0.59)         0.13 (0.03, 0.63)         0.15 (0.03, 0.75)         0.22 (0.05, 1.03)         0.23 (0.04, 1.41)         0.448 (0.07, 3.47)           0.13 (0.04, 0.45)         0.13 (0.03, 0.49)         0.15 (0.03, 0.75)         0.22 (0.06, 0.79)         0.23 (0.05, 1.02)         0.48 (0.09, 2.63)           0.13 (0.04, 0.45)         0.09 (0.02, 0.38)	1.01 (0.19,5.36)         AV+ILS           0.84 (0.13,5.50)         0.84 (0.12,5.79)         AV+sLS           0.59 (0.12,2.98)         0.58 (0.11,3.17)         0.70 (0.10,4.65)         AV+sR           0.56 (0.08,3.91)         0.67 (0.08,4.11)         0.67 (0.10,8.5.85)         0.96 (0.13,6.79)         VZVIG           0.27 (0.03,2.19)         0.27 (0.03,2.29)         0.32 (0.06,1.59)         0.46 (0.11,1.71)         0.45 (0.08,3.80)         0.48 (0.05,4.63)         9.93 (0.14,6.28)         AV-eLS           0.25 (0.06,0.98)         0.25 (0.06,1.05)         0.30 (0.06,1.59)         0.43 (0.11,1.71)         0.45 (0.08,2.56)         9.93 (0.14,6.28)         AV-eLS           0.17 (0.05,0.53)         0.17 (0.05,0.53)         0.12 (0.05,0.90)         0.29 (0.09,0.93)         0.30 (0.06,1.47)         0.63 (0.11,3.65)         0.68 (0.32,1.43)           0.13 (0.01,1.55)         0.13 (0.01,1.60)         0.16 (0.01,2.21)         0.22 (0.02,2.68)         0.23 (0.02,1.11)         0.48 (0.09,2.58)         0.52 (0.02,1.28)           0.13 (0.03,0.59)         0.13 (0.03,0.49)         0.15 (0.03,0.75)         0.22 (0.05,1.03)         0.48 (0.09,2.63)         0.52 (0.21,1.28)           0.13 (0.04,0.45)         0.09 (0.02,0.57)         0.22 (0.05,1.02)         0.48 (0.09,2.63)         0.52 (0.11,1.03)           0.13 (0.04,0.45)         0.09 (0.02,0.57)	1.01 (0.19,5.36)         AV+ILS           0.84 (0.12,5.79)         0.84 (0.12,5.79)         AV+sLS           0.59 (0.12,2.98)         0.58 (0.11,3.17)         0.70 (0.10,4.65)         AV+SR           0.56 (0.08,3.91)         0.56 (0.08,4.11)         0.67 (0.08,5.85)         0.96 (0.13,6.79)         VZVIG           0.27 (0.03,2.29)         0.32 (0.03,3.22)         0.46 (0.06,3.80)         0.48 (0.05,4.63)         0.93 (0.14,6.28)         AV-eLS           0.25 (0.06,0.98)         0.25 (0.06,1.05)         0.30 (0.06,1.59)         0.43 (0.11,1.71)         0.45 (0.05,2.56)         0.93 (0.14,6.28)         AV-eLS           0.17 (0.05,0.53)         0.17 (0.05,0.53)         0.13 (0.06,1.47)         0.43 (0.02,0.48)         0.48 (0.02,3.11)         0.63 (0.11,3.65)         0.68 (0.32,1.43)         AV           0.13 (0.01,1.55)         0.13 (0.01,1.50)         0.16 (0.02,0.94)         0.22 (0.02,0.88)         0.23 (0.02,1.10)         0.48 (0.02,3.11)         0.48 (0.02,3.13)         0.51 (0.04,0.51)         0.76 (0.27,2.10)           0.13 (0.04,04)         0.13 (0.03,0.49)         0.15 (0.02,0.57)         0.22 (0.06,0.79)         0.23 (0.05,1.02)         0.48 (0.02,0.30)         0.51 (0.14,1.82)         0.76 (0.27,2.10)           0.13 (0.04,04)         0.13 (0.03,0.49)         0.15 (0.02,0.57)         0.24 (0.06,0.79)         0.34 (0.02,0.37)	10.1 (0.19,5.36)         AV+ILS           0.84 (0.13,5.50)         0.84 (0.12,2.78)         0.70 (0.10,4.65)         AV+SR           0.59 (0.12,2.98)         0.58 (0.13,170)         0.70 (0.10,4.65)         AV+SR           0.56 (0.08,3.91)         0.67 (0.08,3.21)         0.67 (0.08,5.85)         0.96 (0.13,6.79)         VZVIG           0.27 (0.03,2.19)         0.27 (0.03,2.29)         0.32 (0.03,1.30)         0.46 (0.05,0.30)         0.48 (0.05,4.30)         SR           0.25 (0.06,0.83)         0.27 (0.05,0.50)         0.30 (0.01,1.50)         0.43 (0.11,1.71)         0.45 (0.08,2.56)         0.93 (0.14,6.28)         AV-eLS           0.17 (0.05,0.53)         0.17 (0.05,0.50)         0.20 (0.05,0.90)         0.43 (0.01,1.61)         0.63 (0.02,1.10)         0.63 (0.11,1.62)         AV-eLS           0.13 (0.04,0.13)         0.13 (0.05,0.50)         0.22 (0.05,0.90)         0.30 (0.01,1.43)         0.68 (0.05,2.14)         AV           1.13 (0.01,1.55)         0.13 (0.03,0.63)         0.15 (0.05,0.93)         0.22 (0.05,0.93)         0.32 (0.05,1.10)         0.77 (0.05,0.93)         0.98 (0.02,1.10)         0.76 (0.45,1.28)         0.77 (0.45,1.28)         0.99 (0.12,1.21)           0.13 (0.04,0.45)         0.13 (0.03,0.49)         0.15 (0.05,0.79)         0.22 (0.05,0.99)         0.23 (0.23,1.02)         0.48 (0.02,2.30)         0.51 (	Indiana         NV+ILS           0.10         0.84         0.84         NV+ILS           0.11         0.11         0.10         NV+SC           0.59         0.11.01.70         0.10.4.65         NV+SC           0.56         0.01.04.05         NV+SC           0.27         0.03.020         0.05.8.01         0.06         0.06.010         0.01.1.01         NV+SC           0.27         0.03.020         0.03.020         0.06.010         0.05.6.01         0.06.010         0.05.6.01         0.06.010         0.01.1.01         0.05.6.01         0.05.6.01         0.05.6.01         0.06.1.00         0.01.1.01         0.05.6.01         0.01.1.01         0.05.6.01         0.06.1.00         0.01.1.01         0.05.6.01         0.01.1.01         0.05.6.01         0.01.1.01         0.05.6.01         0.01.1.01         0.05.6.01         0.01.1.01         0.05.6.01         0.01.1.01	Indiana 10.19.5.30AV+ILS80.3.5.50060.5.50070.0.0.600AV+SR90.3.2.20060.5.50070.0.0.60099.0.000VZVIG90.3.2.0060.5.50099.0.000AV+SR90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.50099.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.2.0060.5.5000.0.0.000AV90.3.1.560.5.5000.0.0.000AV90.3.1.560.5.5000.0.0.000AV90.3.1.560.5.5000.0.0.000AV90.3.1.560.5.5000.0.0.000AV <td>Normalization in the series of the series of</td> <td>Interview101.010Averate101.010Averate101.010101.010Averate101.010101.010Averate101.010101.010Averate101.010&lt;</td>	Normalization in the series of	Interview101.010Averate101.010Averate101.010101.010Averate101.010101.010Averate101.010101.010Averate101.010<

0.31 (0.01,9.04)	0.73 (0.10,5.39)	AV+AE-pv														
0.22 (0.00,10.12)	0.52 (0.04,7.66)	0.72 (0.07,7.36)	AV+iL S													
0.22 (0.00,10.03)	0.52 (0.04,7.59)	0.71 (0.07,7.29)	0.99 (0.07,14.23)	AV+sLS												
0.32 (0.01,11.35)	0.76 (0.08,7.56)	1.05 (0.12,8.86)	1.46 (0.09,23.65)	1.47 (0.09,23.79)	AV+AE- iL S											
0.19 (0.00,8.71)	0.45 (0.03,6.60)	0.62 (0.06,6.34)	0.86 (0.06,12.37)	0.87 (0.06,12.44)	0.59 (0.04,9.55)	EPI-LSE										
0.09 (0.00,2.1 <i>5</i> )	0.22 (0.05,1.03)	0.31 (0.08,1.11)	0.43 (0.05,3.86)	0.43 (0.05,3.88)	0.29 (0.05,1.60)	0.50 (0.05,4.51)	AV+AE									
0.08 (0.00,3.54)	0.19 (0.01,2.61)	0.27 (0.03,2.67)	0.37 (0.02,5.70)	0.37 (0.02,5.74)	0.25 (0.02,3.79)	0.43 (0.03,6.66)	0.87 (0.11,7.10)	AE								
0.05 (0.00,3.50)	0.11 (0.00,3.13)	0.15 (0.01,3.39)	0.21 (0.01,6.45)	0.22 (0.01,6.50)	0.15 (0.00,4.45)	0.25 (0.01,7.53)	0.50 (0.03,9.67)	0.58 (0.05,7.21)	SR							
0.05 (0.00,1.76)	0.12 (0.01,1.15)	0.17 (0.03,1.02)	0.23 (0.03,2.19)	0.24 (0.03,2.20)	0.16 (0.02,1.69)	0.27 (0.03,2.55)	0.55 (0.11,2.80)	0.63 (0.06,6.22)	1.09 (0.05,23.30)	ENS						
0.05 (0.00,1.62)	0.12 (0.02,1.00)	0.17 (0.03,0.91)	0.24 (0.03,2.15)	0.24 (0.03,2.16)	0.16 (0.02,1.49)	0.27 (0.03,2.51)	0.55 (0.13,2.31)	0.63 (0.07,5.38)	1.10 (0.05,22.17)	1.00 (0.20,5.05)	CTR					
0.05 (0.00,3.50)	0.11 (0.00,3.13)	0.15 (0.01,3.39)	0.21 (0.01,6.45)	0.22 (0.01,6.50)	0.15 (0.00,4.45)	0.25 (0.01,7.53)	0.50 (0.03,9.67)	0.58 (0.05,7.21)	1.00 (0.07,14.22)	0.91 (0.04,19.49)	0.91 (0.05,18.40)	RTx				
0.05 (0.00,1.63)	0.11 (0.01,1.05)	0.16 (0.03,0.92)	0.22 (0.02,1.96)	0.22 (0.02,1.97)	0.15 (0.01,1.55)	0.26 (0.03,2.29)	0.52 (0.10,2.54)	0.59 (0.06,5.72)	1.03 (0.05,21.54)	0.94 (0.18,4.80)	0.93 (0.19,4.65)	1.03 (0.05,21.54)	AV-eL S			
0.04 (0.00,1.16)	0.10 (0.01,0.67)	0.14 (0.03,0.53)	0.19 (0.03,1.24)	0.19 (0.03,1.25)	0.13 (0.02,1.00)	0.22 (0.03,1.45)	0.44 (0.14,1.39)	0.51 (0.07,3.66)	0.88 (0.05,14.94)	0.80 (0.24,2.66)	0.80 (0.25,2.55)	0.88 (0.05,14.94)	0.86 (0.28,2.60)	AV		
0.03 (0.00,1.14)	0.08 (0.01,0.76)	0.10 (0.02,0.69)	0.15 (0.01,1.46)	0.15 (0.01,1.46)	0.10 (0.01,1.11)	0.17 (0.02,1.70)	0.34 (0.06,1.88)	0.39 (0.04,4.09)	0.68 (0.03,15.09)	0.62 (0.15,2.66)	0.62 (0.11,3.36)	0.68 (0.03,15.09)	0.66 (0.12,3.72)	0.77 (0.21,2.90)	AV-ENS	
0.02 (0.00,0.93)	0.06 (0.01,0.64)	0.08 (0.01,0.58)	0.11 (0.01,1.20)	0.11 (0.01,1.20)	0.08 (0.01,0.94)	0.13 (0.04,0.44)	0.26 (0.04,1.65)	0.30 (0.03,3.47)	0.52 (0.02,12.52)	0.48 (0.07,3.10)	0.48 (0.08,3.01)	0.52 (0.02,12.52)	0.51 (0.08,3.13)	0.59 (0.14,2.50)	0.77 (0.11,5.40)	AV+SR

(C)

AV+AEsgLS

0.42 AV+AE-(0.01,13.81) cLSC

-0.69 (-1.72,0.33)	-0.70 (-2.08,0.67)	AV+AE-sgLS					
-0.96 (-2.05,0.13)	-0.97 (-2.40,0.45)	-0.27 (-1.38,0.84)	AV+AE-iLS				
-1.02 (-1.85,-0.20)	-1.03 (-2.26,0.20)	-0.33 (-1.18,0.52)	-0.06 (-0.98,0.86)	AV+AE-eLSC			
-1.20 (-1.67,-0.73)	-1.21 (-2.24,-0.18)	-0.51 (-1.42,0.40)	-0.24 (-1.22,0.75)	-0.18 (-0.85,0.50)	AV		
-1.23 (-1.89,-0.58)	-1.24 (-2.37,-0.12)	-0.54 (-1.41,0.33)	-0.27 (-1.21,0.67)	-0.21 (-0.82,0.40)	-0.03 (-0.48,0.42)	AV+AE-pv	
-1.66 (-2.38,-0.95)	-1.67 (-2.83,-0.51)	-0.97 (-1.71,-0.23)	-0.70 (-1.53,0.13)	-0.64 (-1.05,-0.23)	-0.46 (-1.00,0.07)	-0.43 (-0.89,0.02)	AV+AE

ENS

0.01 (-1.13,1.15)

AV+iLS

AV+iLS

-0.22 (-AV-sqL 2.66,2.22) -0.75 (--0.53 (-ENS 2.66,1.16) 2.75,1.69) -1.15 (--0.93 (--0.40 (-AV+AE-sgLS 3.33,1.02) 3.38,1.51) 2.33,1.52) -0.73 (-2.65,1.19) -1.26 (-3.70,1.18) -1.48 (-3.65,0.69) -0.33(-2.50,1.85) EPI-LSE -0.80 (--1.55 (--1.33 (--0.40 (--0.07(-AV-eLS 3.43,0.33) 3.52,0.86) 1.96,1.82) 2.39,0.79) 2.29,1.50) -0.27 (-2.47,1.92) -1.75 (--1.53 (--1.00(--0.60 (--0.20 (-2.12,1.71) AV+AE-iLS 3.94,0.43) 4.00,0.93) 2.95,0.94) 2.44,1.24) -0.30 (-1.84,1.24) -1.85 (-3.73,0.03) -1.63 (--1.10 (--0.37 (--0.10(-2.00,1.81) -0.70 (-AV+SR 2.68,0.48) 2.58,1.19) 3.82,0.56) 1.45.0.71) -1.79 (-4.13,0.54) -0.86 (-2.52,0.80) -0.26 (-1.95,1.43) -2.01 (--1.26 (--0.53 (--0.46 (--0.16 (-AV+AE-cLSC 4.06,0.03) 2.58,1.51) 1.90,1.57) 3.04,0.51) 2.21,1.28) -0.40 (--1.95 (-3.48,--1.73 (--1.20 (-2.35,--0.47 (--0.20 (--0.10 (-0.06 (--0.80 (-AV 0.42) 3.63,0.17) 0.05) 2.34,0.74) 2.00,1.06) 1.50,0.70) 1.76,1.37) 1.19,0.99) 1.29,1.42) -1.99 (-3.78,--1.77 (--1.24 (--0.44 (--0.14 (-0.03 (--0.83 (--0.51 (--0.23 (--0.04 (-AV+AE-pv 0.20) 3.88,0.34) 2.71,0.23) 2.43,0.76) 2.30,1.28) 1.87,0.99) 1.85,1.38) 1.56,1.28) 1.39,1.44) 0.96,0.88) -1.37 (-3.13,0.38) -2.63 (-4.72,--2.10 (-3.53,--1.30 (-2.69,0.08) -1.10 (-2.42,0.22) -1.00 (-2.38,0.37) -0.84 (--0.87 (-1.80,0.07) -2.85 (-4.60,--1.70 (-2.99,--0.90 (-1.75,-AV+AE 1.11) 0.55) 0.68) 0.41) 1.90,0.22) 0.06)

Network league tables for all the PHN prevention strategies regarding (A) Incidence of PHN at 3 mo, (B) Incidence of PHN at 1 months, (C) Incidence of PHN at 6 mo, (D) Mean pain score at 3 mo and (E) Mean pain score at 1 mo. Estimates are presented as mean difference (95% confidence interval).

(E)

	Model	Dbar	pD	DIC	PSRF	$I^{2}(\%)$
Incidence of postherpetic neuralgia at 3	Fixed	67.03	43.30	110.33	1.02	15%
mo after acute herpes zoster	Random	60.13	49.24	109.37	1.01	5%
Incidence of postherpetic neuralgia at 1	Fixed	55.44	34.05	89.49	1.02	24%
mo after acute herpes zoster	Random	46.50	39.81	86.31	1.01	10%
Incidence of postherpetic neuralgia at 6	Fixed	44.53	33.25	77.78	1.02	15%
mo after acute herpes zoster	Random	39.86	36.22	76.09	1.01	5%
Pain score measured at 3 mo after acute	Fixed	16.78	15.32	32.10	1.00	11%
herpes zoster	Random	15.82	15.63	31.45	1.00	5%
Pain score measured at 1 mo after acute	Fixed	32.74	23.95	56.69	1.01	24%
herpes zoster	Random	25.98	25.64	51.62	1.01	4%

# Supplementary Table 2. Network diagnostic for Bayesian analysis.

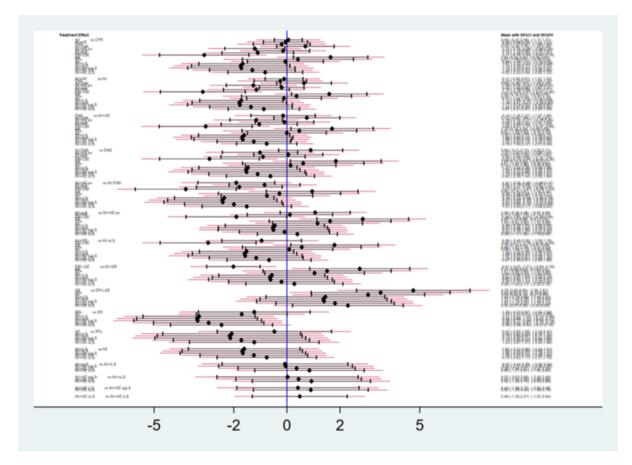
Dbar: posterior mean of the deviance, pD: adequate number of parameters, DIC: deviance information criterion, sum of Dbar and pD, PRSF: Potential Scale Reduction Factor

		95% CI	DIC_NMR	DIC_NM	I <sup>2</sup> _NMR (%)	I <sup>2</sup> _NM (%)
Incidence of postherpetic	ROB	-1.38 (-0.16 to 2.89)	106.95	109.37	3%	5%
neuralgia at 3 mo after acute	Age	-0.23 (-1.34 to 0.87)	110.52		5%	
herpes zoster	Sex(M)	-0.07(-1.38 to 1.12)	110.38		5%	
Incidence of postherpetic	ROB	1.83 (-0.21 to 3.85)	82.10	86.31	6%	10%
neuralgia at 1 mo after acute herpes zoster	Age	-0.58 (-1.99 to 0.69)	85.86		8%	
heipes zoster	Sex(M)	0.55 (-1.19 to 2.26)	86.47		9%	
Incidence of postherpetic	ROB	2.19 (-0.30 to 4.79)	74.21	76.09	1%	5%
neuralgia at 6 mo after acute	Age	-1.18 (-4.03 to 1.47)	76.53		5%	
herpes zoster	Sex(M)	1.86 (-0.78 to 4.76)	76.01		4%	
Pain score measured at 3 mo	ROB	NP		31.45		5%
after acute herpes zoster	Age	-0.28 (-4.52 to 3.32)	31.74		6%	
	Sex(M)	-0.43 (-2.83 to 1.76)	31.70		5%	
Pain score measured at 1 mo	ROB	NP		51.62		4%
after acute herpes zoster	Age	1.68 (-1.25 to 4.80)	52.05		5%	
	Sex(M)	0.34 (-1.68 to 2.36)	52.19		4%	

## Supplemenatry Table 3. Results of network meta-regression analysis

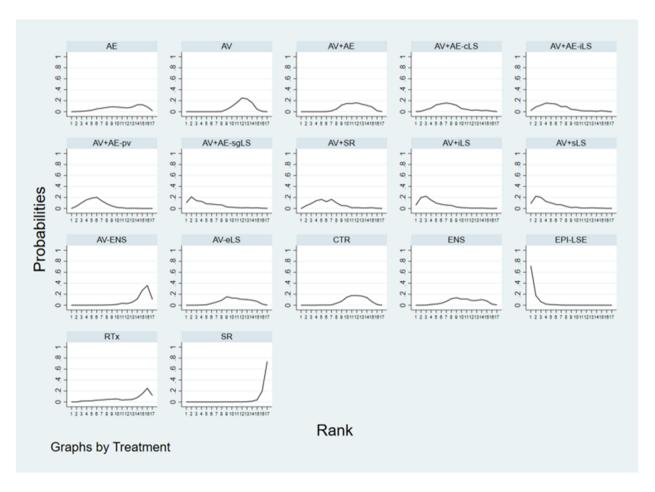
CI: credible interval, DIC: deviance information criterion, sum of Dbar and PD, M: male, NMR: network meta-regression, NM: network meta-analysis, NP: Did not perform meta-regression because all the studies included were graded as "some concern" or "high risk of bias".

**Supplementary Fig. 1A.** Predictive Interval Plot comparing all groups for the incidence of postherpetic neuralgia at 3 mo after acute herpes zoster



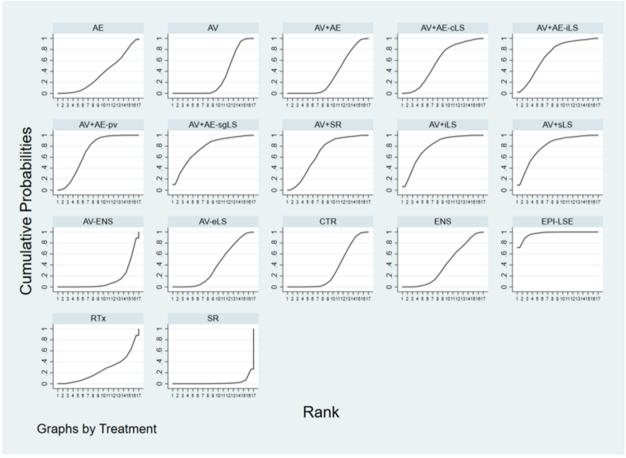
Supplementary Fig. 1B. The rankograms of the incidence of postherpetic neuralgia at 3 mo after acute herpes zoster

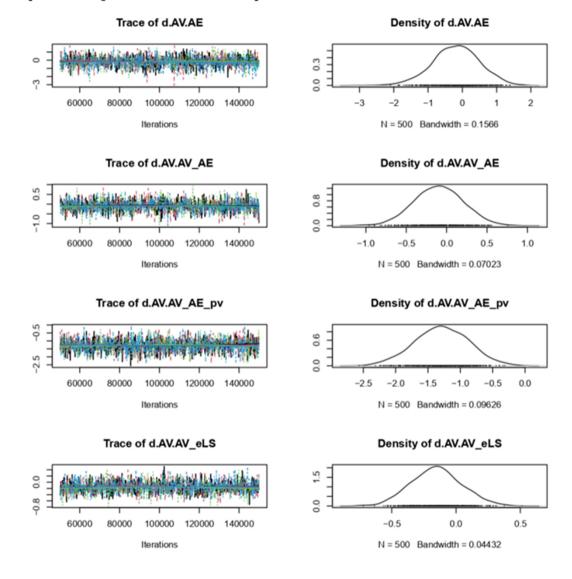
Profiles indicate the probabilities for treatments to assume any of the possible ranks. It is the probability that a given treatment ranks first, second, third, and so on, among all of the treatments evaluated in the NMA.



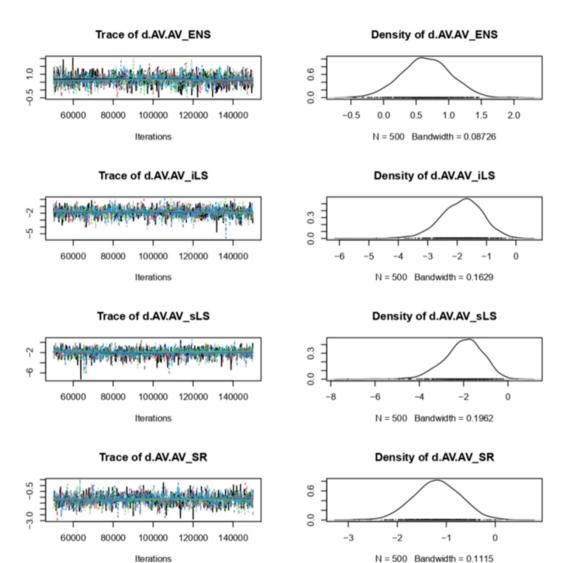
Supplementary Fig. 1C. The cumulative ranking curves of the incidence of postherpetic neuralgia at 3 mo after acute herpes zoster

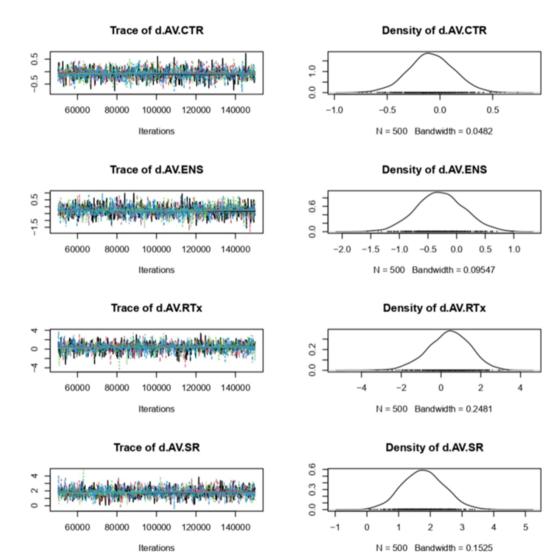
The profile indicates the sum of the probabilities from those ranked first, second, third, and so on. A higher cumulative ranking curve (surface of under cumulative ranking curve [SUCRA]) value is regarded as an improved result for an individual's intervention. When ranking treatments, the closer the SUCRA value is to 100%, the higher the treatment ranking is relative to all other treatments.

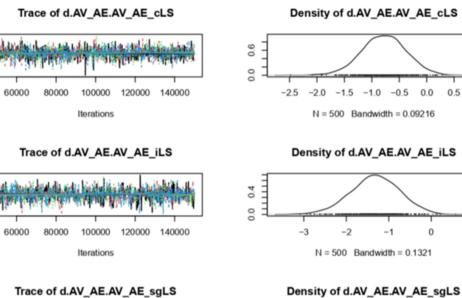




Supplementary Fig. 1D. Trace and density plot in fixed model for the incidence of postherpetic neuralgia at 3 mo after acute herpes zoster







0.3

0.0

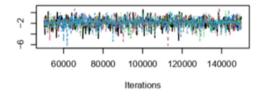
-6

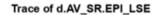


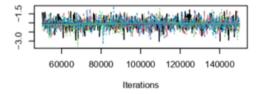
-0.5

-2.5

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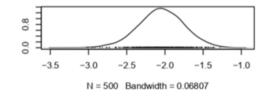
N = 500 Bandwidth = 0.2075

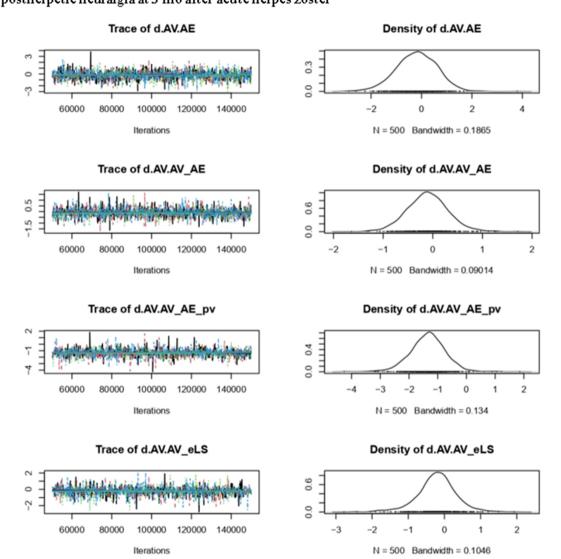
-2

0

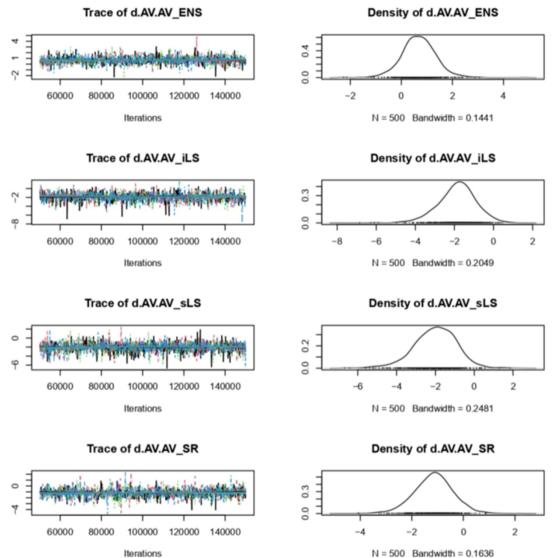
-4

1

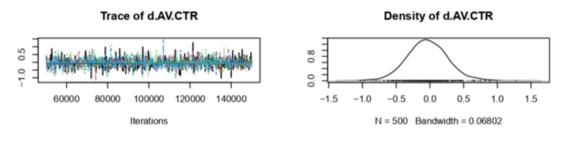




Supplementary Fig. 1E. trace and density plot in random model for the incidence of postherpetic neuralgia at 3 mo after acute herpes zoster



N = 500 Bandwidth = 0.1636





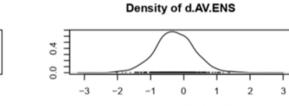
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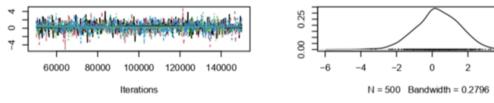
N = 500 Bandwidth = 0.1338

Trace of d.AV.RTx

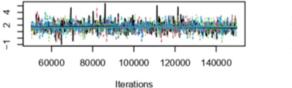
Iterations

100000 120000 140000





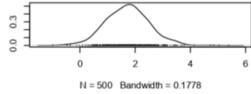


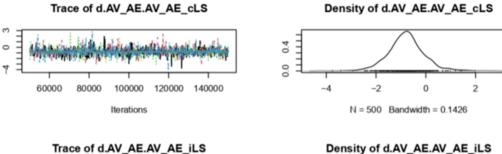


Density of d.AV.SR

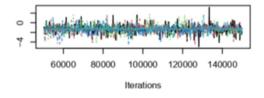
4

6

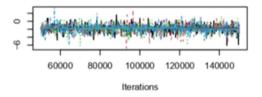




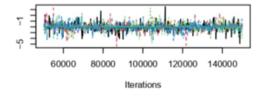




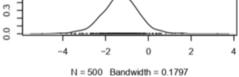




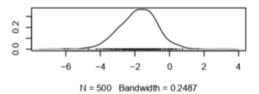




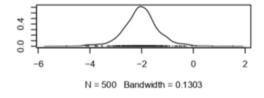


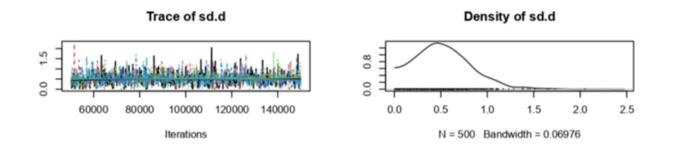


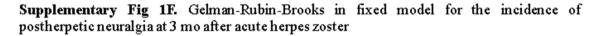
Density of d.AV\_AE.AV\_AE\_sgLS

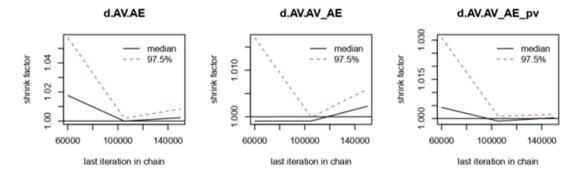


Density of d.AV\_SR.EPI\_LSE





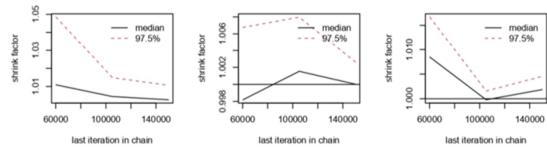








d.AV.AV\_iLS



d.AV.AV\_sLS

100000

last iteration in chain

---, 97.5%

1.010

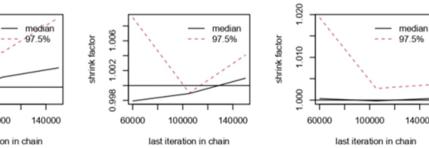
1.000

60000

shrink factor

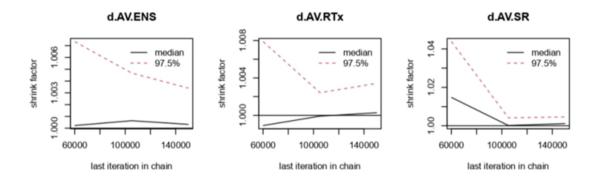






140000

I



d.AV\_AE.AV\_AE\_cLS

d.AV\_AE.AV\_AE\_iLS

last iteration in chain

0000 10000 140000 140000



100000

last iteration in chain

140000

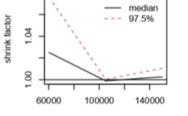
shrink factor

1.010

1.000

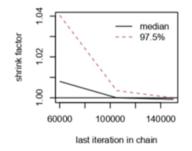
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d.AV\_AE.AV\_AE\_sgLS

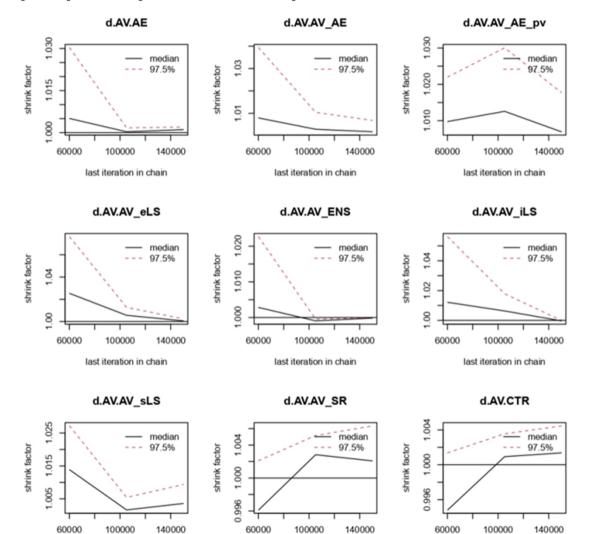


last iteration in chain

d.AV\_SR.EPI\_LSE



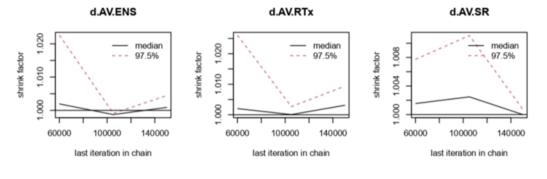
Supplementary Fig. 1G. Gelman-Rubin-Brooks in random model for the incidence of postherpetic neuralgia at 3 mo after acute herpes zoster



last iteration in chain

last iteration in chain

last iteration in chain



d.AV\_AE.AV\_AE\_iLS

d.AV\_AE.AV\_AE\_cLS

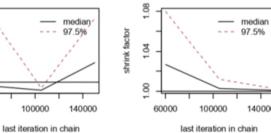
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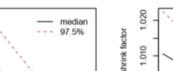
median

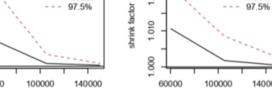
140000

\_\_\_\_

last iteration in chain









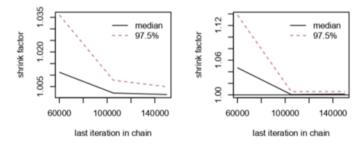
shrink factor

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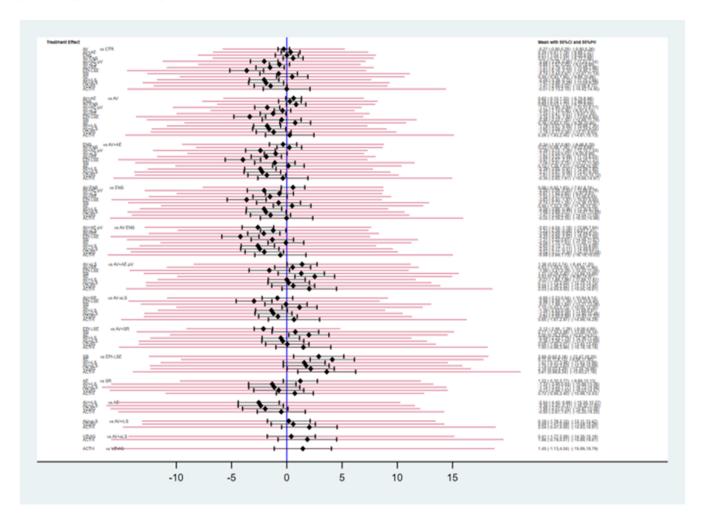
1.000

60000

sd.d

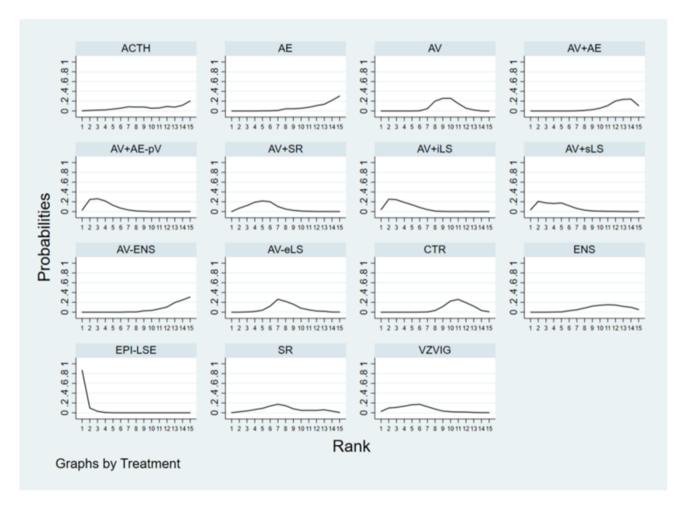


Supplementary Fig. 2A. Predictive Interval Plot comparing all groups for the incidence of postherpetic neuralgia at 1 mo after acute herpes zoster



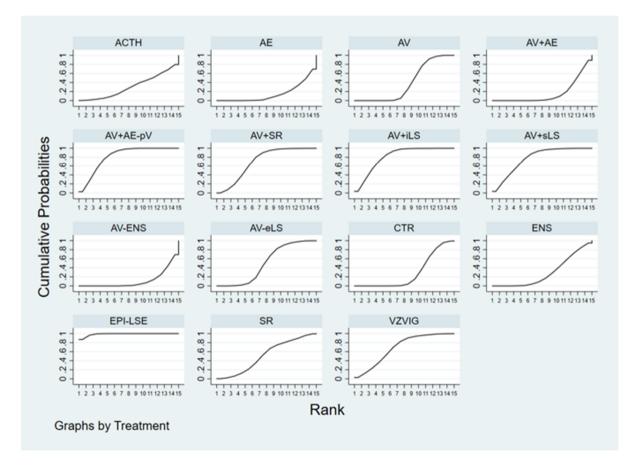
Supplementary Fig. 2B. The rankograms of the incidence of postherpetic neuralgia at 1 mo after acute herpes zoster

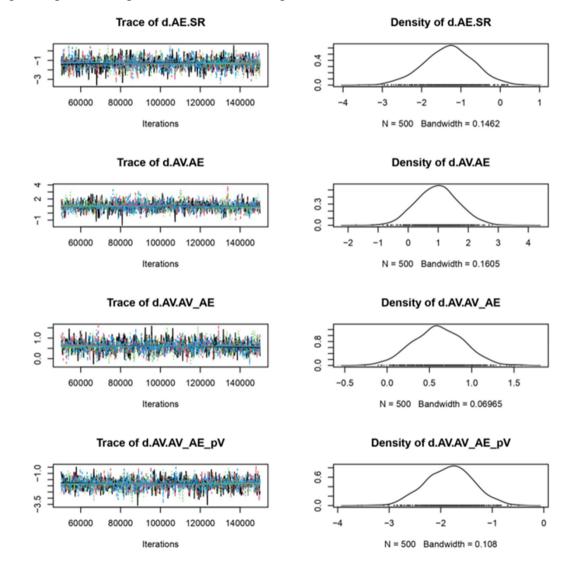
Profiles indicate the probabilities for treatments to assume any of the possible ranks. It is the probability that a given treatment ranks first, second, third, and so on, among all of the treatments evaluated in the NMA.



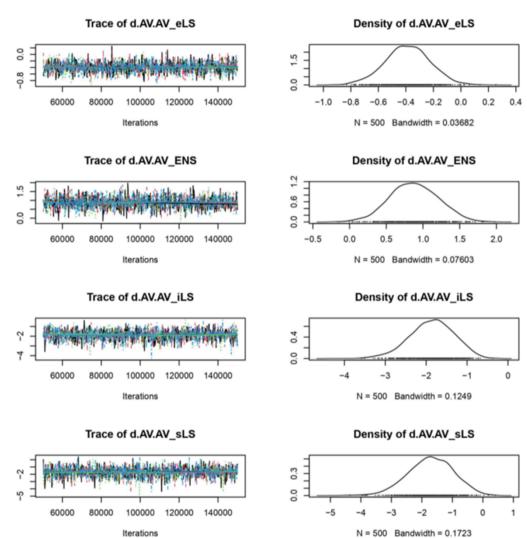
Supplementary Fig. 2C. The cumulative ranking curves of the incidence of postherpetic neuralgia at 1 mo after acute herpes zoster

The profile indicates the sum of the probabilities from those ranked first, second, third, and so on. A higher cumulative ranking curve (surface of under cumulative ranking curve [SUCRA]) value is regarded as an improved result for an individual's intervention. When ranking treatments, the closer the SUCRA value is to 100%, the higher the treatment ranking is relative to all other treatments.

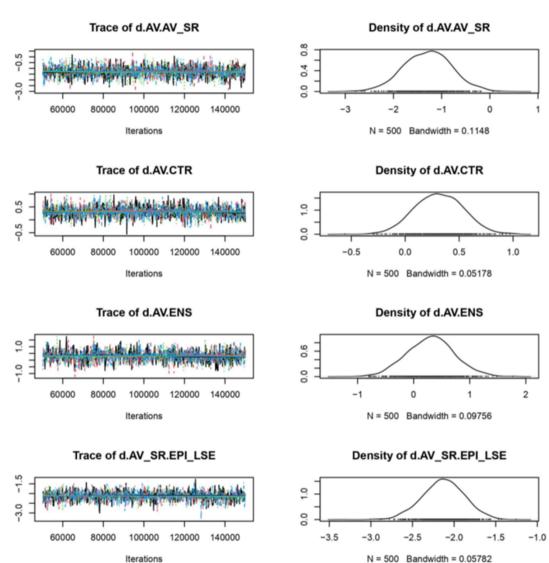




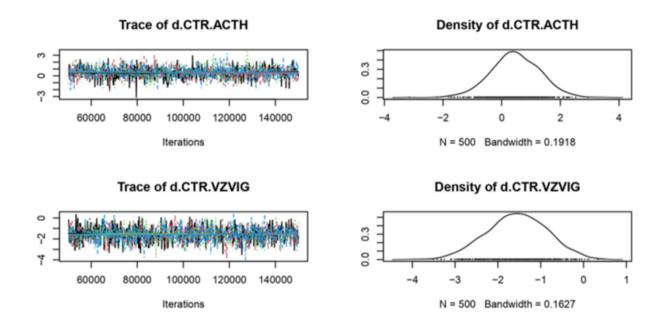
Supplementary Fig. 2D. Trace and density plot in fixed model for the incidence of postherpetic neuralgia at 1 mo after acute herpes zoster

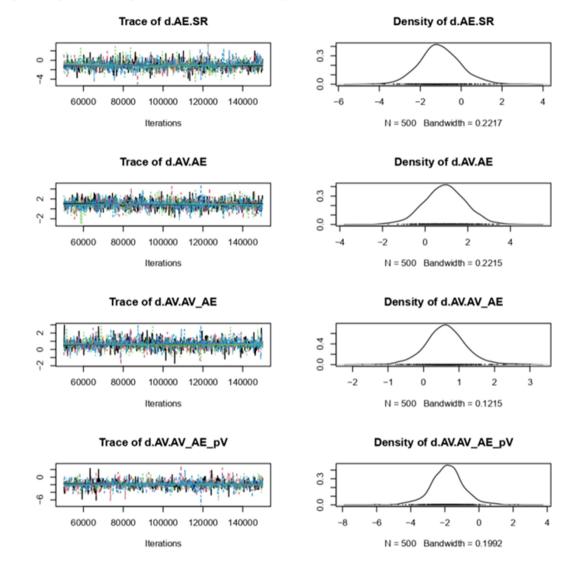


N = 500 Bandwidth = 0.1723



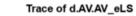
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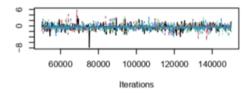




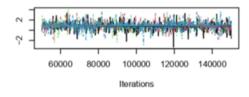
Supplementary Fig. 2E. trace and density plot in random model for the incidence of postherpetic neuralgia at 1 mo after acute herpes zoster



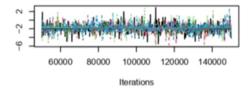




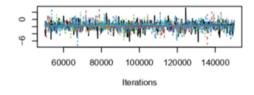








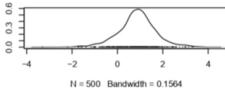




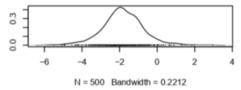


0.0 0.4

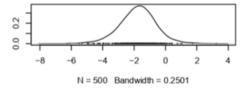


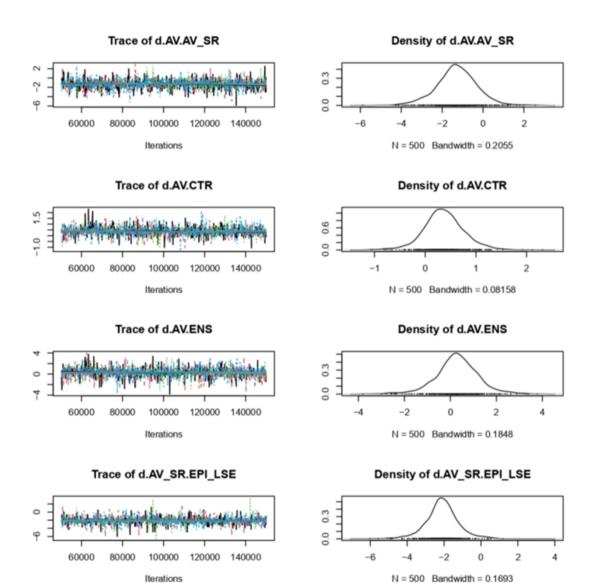


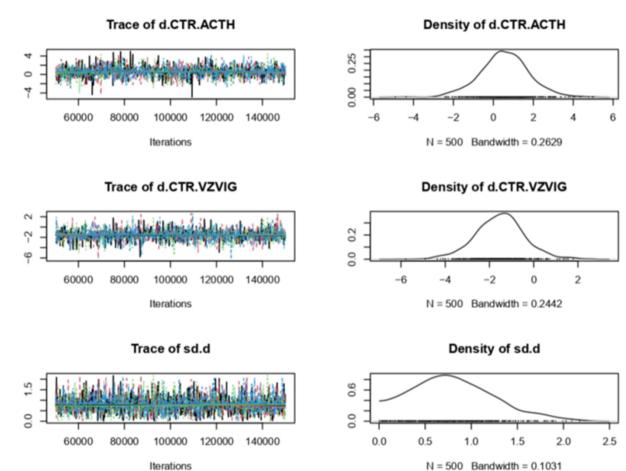
### Density of d.AV.AV\_iLS



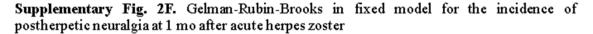
#### Density of d.AV.AV\_sLS

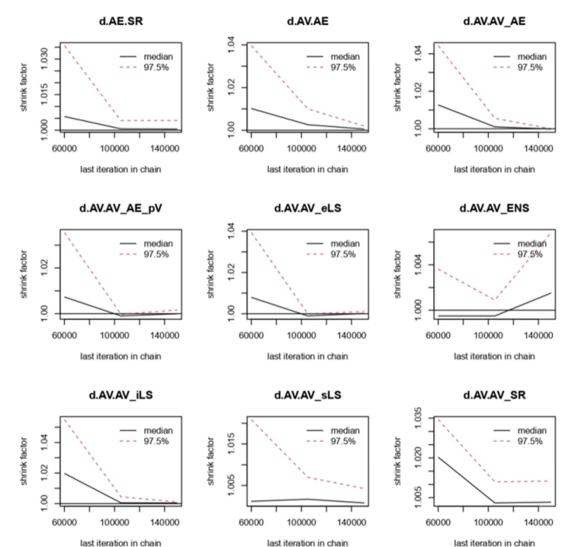


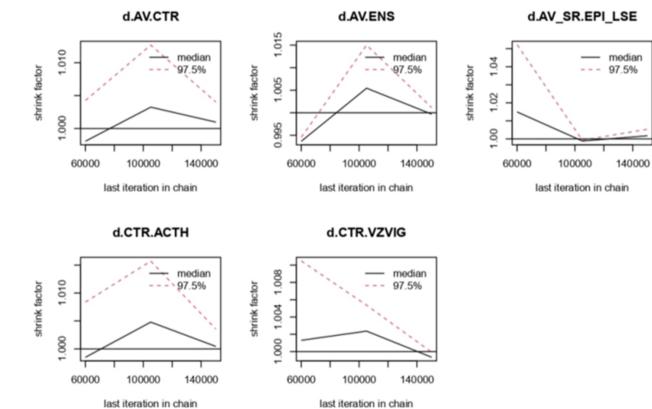




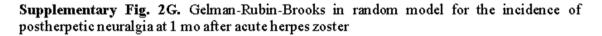
Iterations

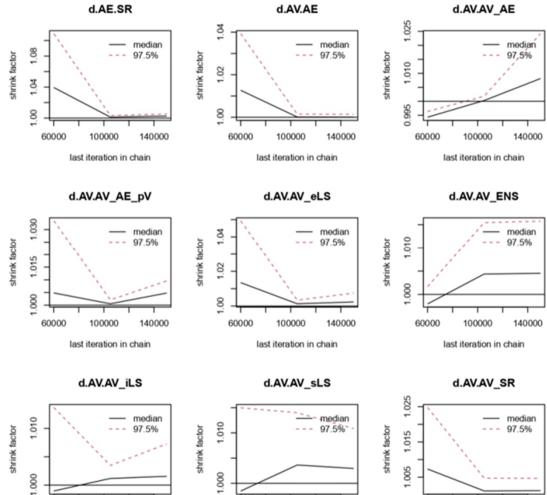






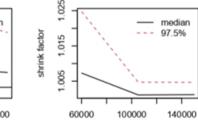
last iteration in chain



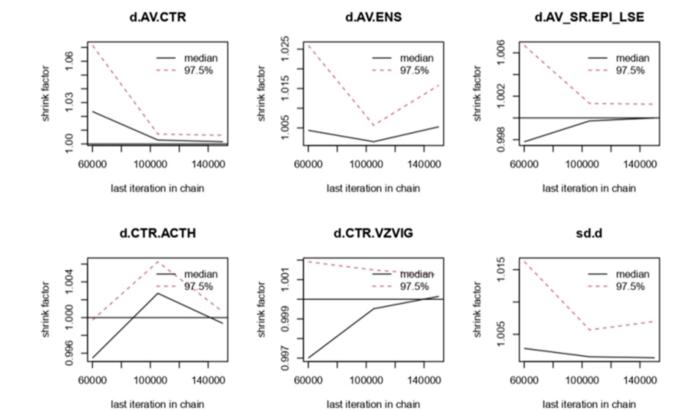


last iteration in chain

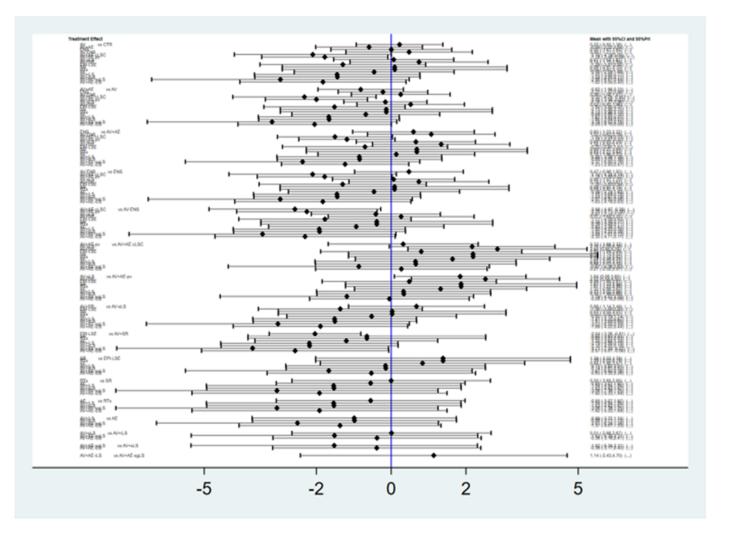
last iteration in chain



last iteration in chain

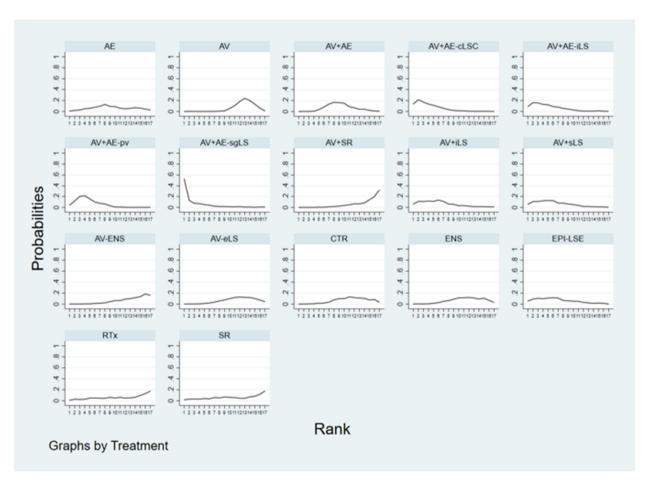


Supplementary Fig. 3A. Predictive Interval Plot comparing all groups for the incidence of postherpetic neuralgia at 6 mo after acute herpes zoster



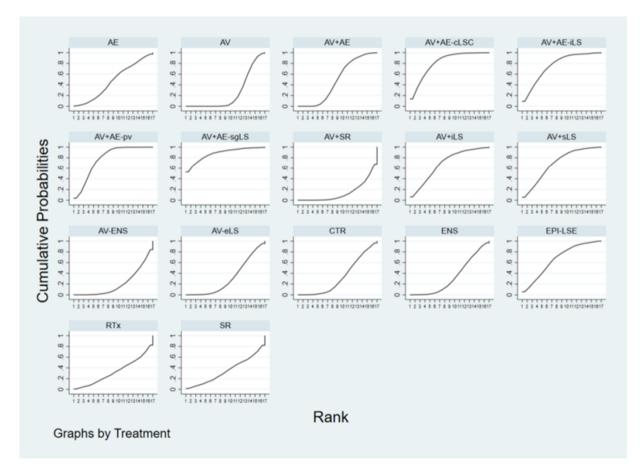
Supplementary Fig. 3B. The rankograms of the incidence of postherpetic neuralgia at 6 mo after acute herpes zoster

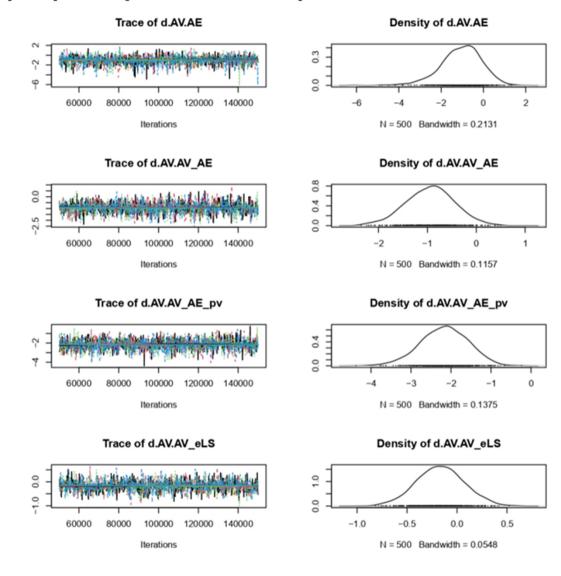
Profiles indicate the probabilities for treatments to assume any of the possible ranks. It is the probability that a given treatment ranks first, second, third, and so on, among all of the treatments evaluated in the NMA.



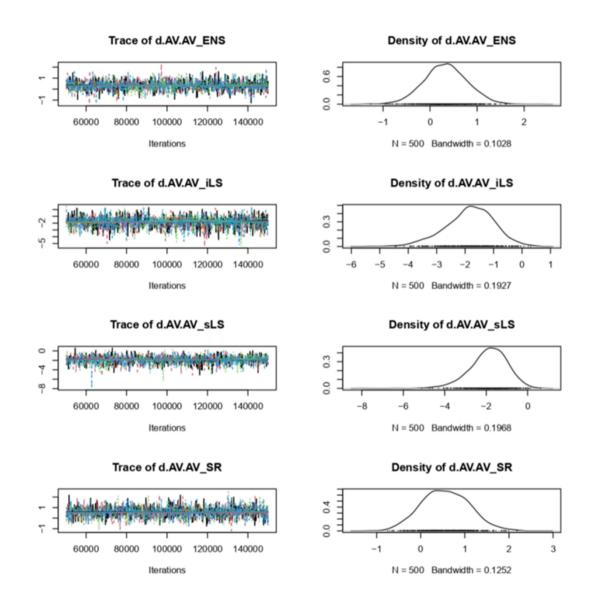
**Supplementary Fig. 3C.** The cumulative ranking curves of the incidence of postherpetic neuralgia at 6 mo after acute herpes zoster

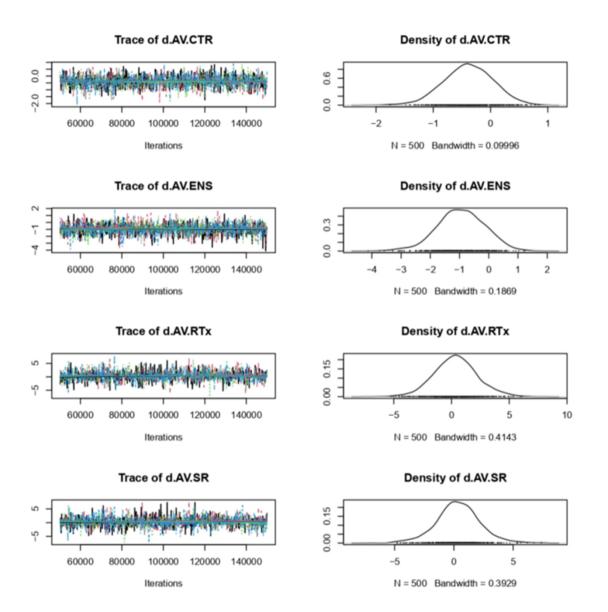
The profile indicates the sum of the probabilities from those ranked first, second, third, and so on. A higher cumulative ranking curve (surface of under cumulative ranking curve [SUCRA]) value is regarded as an improved result for an individual's intervention. When ranking treatments, the closer the SUCRA value is to 100%, the higher the treatment ranking is relative to all other treatments.

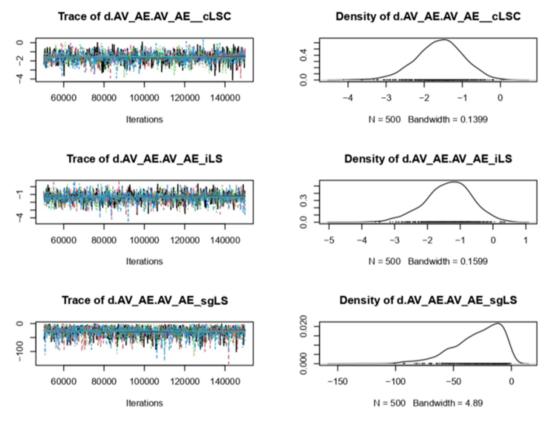




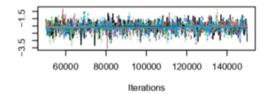
Supplementary Fig. 3D. Trace and density plot in fixed model for the incidence of postherpetic neuralgia at 6 month after acute herpes zoster



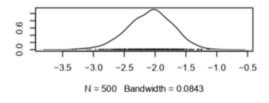


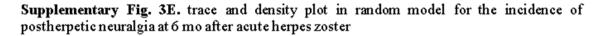


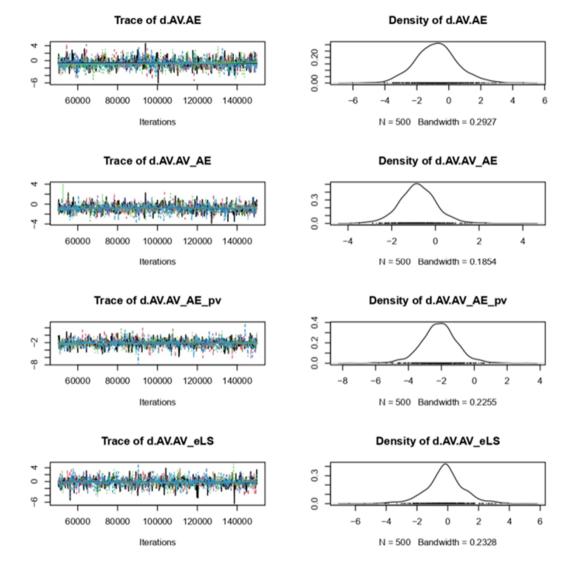
Trace of d.AV\_SR.EPI\_LSE

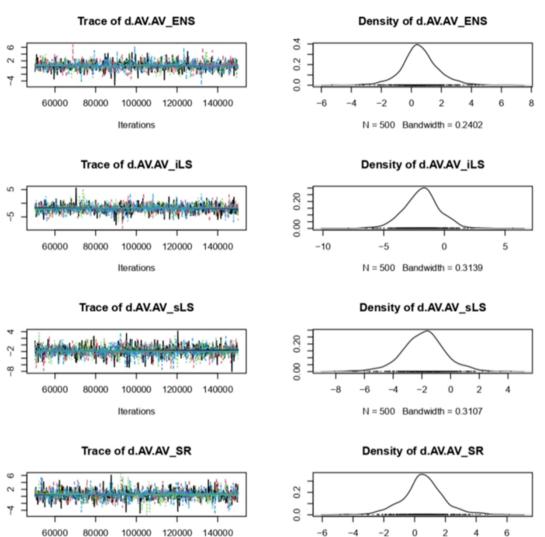


Density of d.AV\_SR.EPI\_LSE





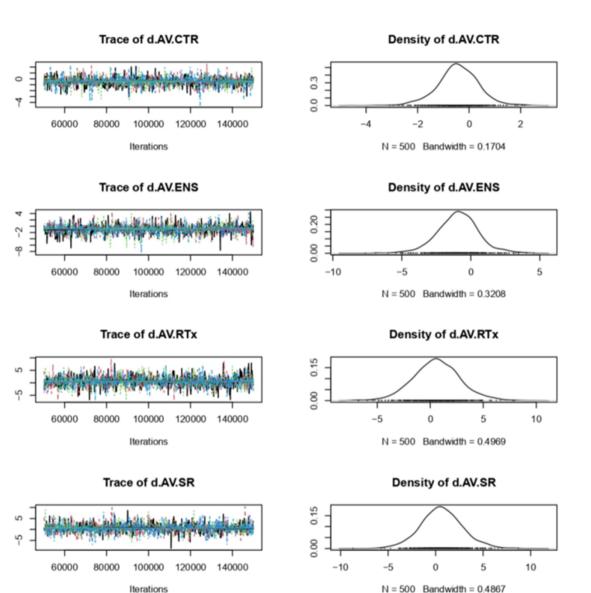


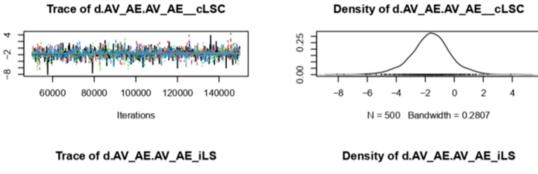


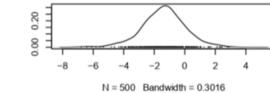
Iterations

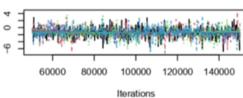
-2 0 4

N = 500 Bandwidth = 0.257

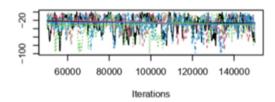




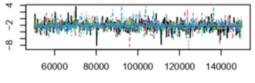




Trace of d.AV\_AE.AV\_AE\_sgLS

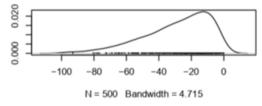


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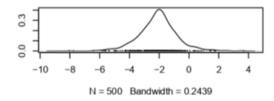


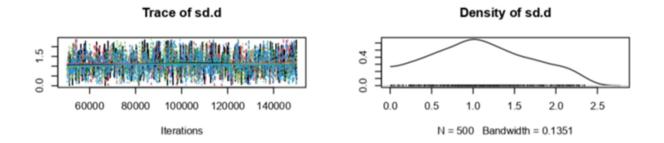
Iterations

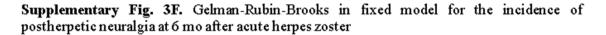
## Density of d.AV\_AE.AV\_AE\_sgLS

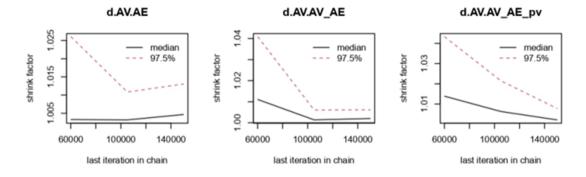


## Density of d.AV\_SR.EPI\_LSE





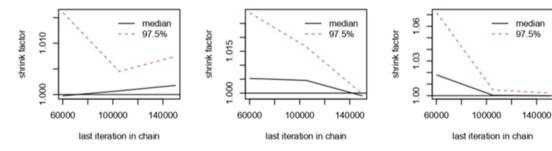








d.AV.AV\_iLS



d.AV.AV\_sLS

1.020

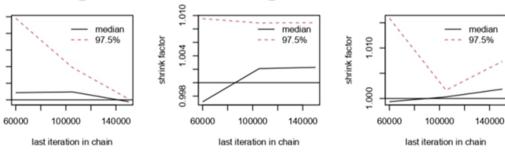
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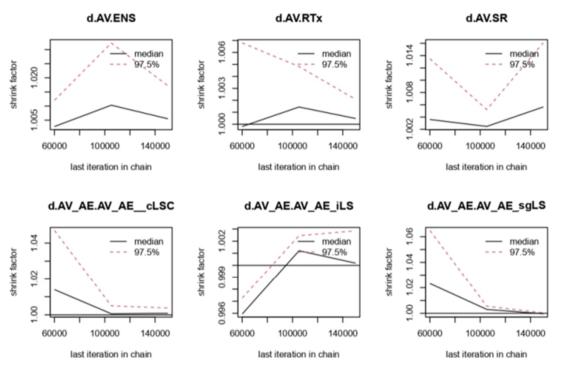
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shrink factor

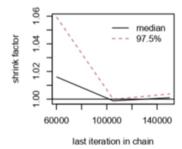


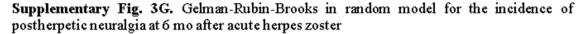


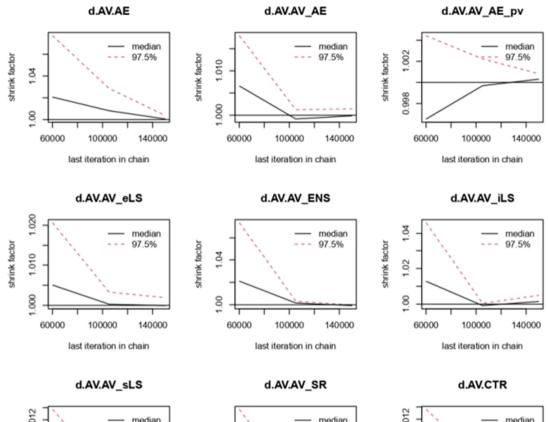


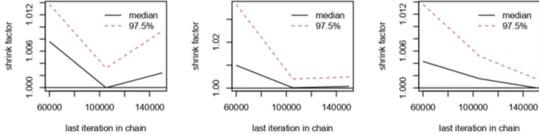


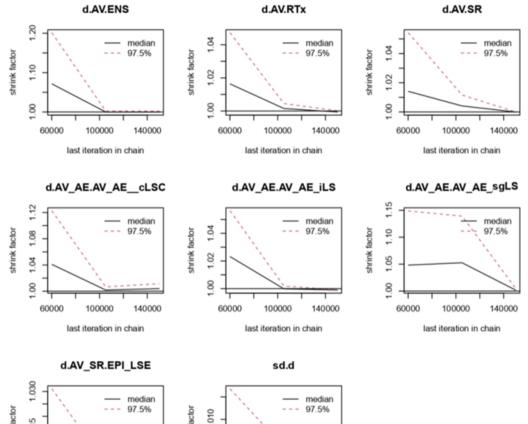


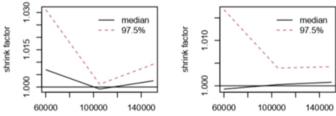








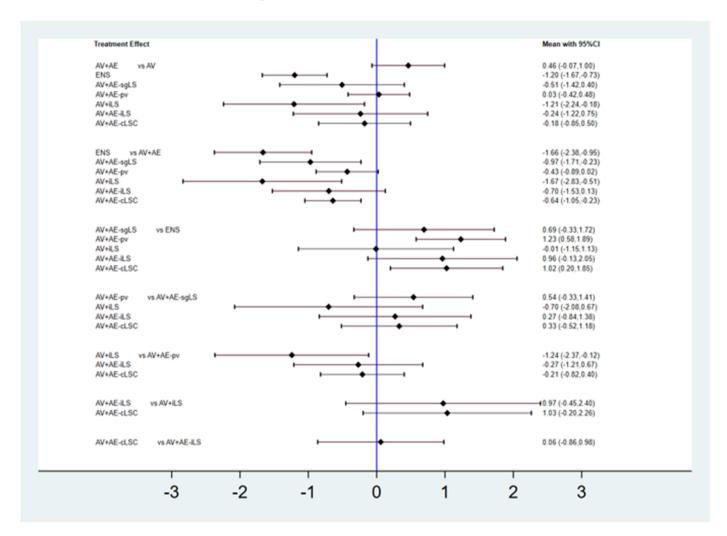




last iteration in chain

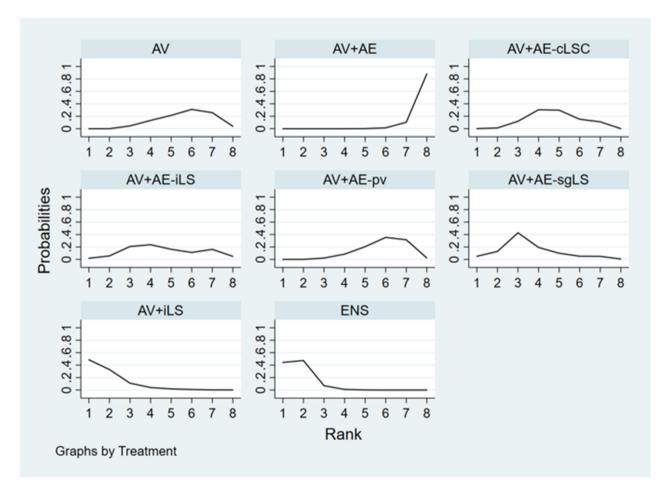


Supplementary Fig. 4A. Predictive Interval Plot comparing all groups for the pain score measured at 3 mo after acute herpes zoster



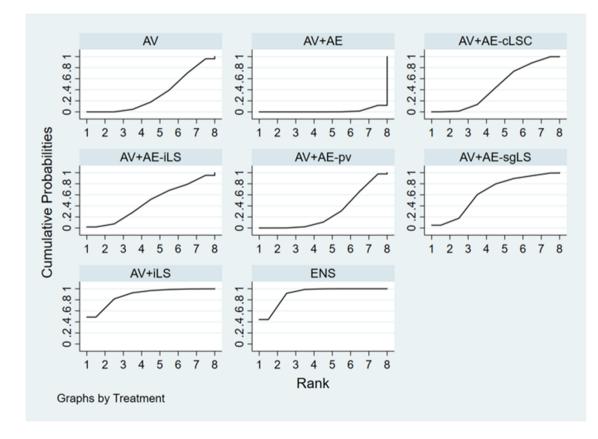
Supplementary Fig. 4B. The rankograms of the pain score measured at 3 mo after acute herpes zoster

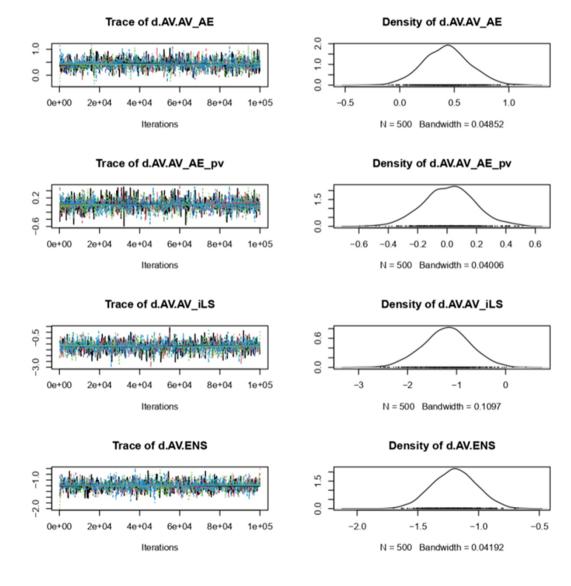
Profiles indicate the probabilities for treatments to assume any of the possible ranks. It is the probability that a given treatment ranks first, second, third, and so on, among all of the treatments evaluated in the NMA.



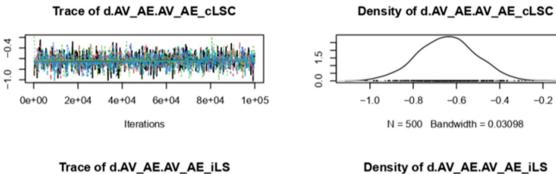
Supplementary Fig. 4C. The cumulative ranking curves of the pain score measured at 3 mo after acute herpes zoster

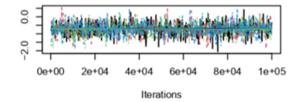
The profile indicates the sum of the probabilities from those ranked first, second, third, and so on. A higher cumulative ranking curve (surface of under cumulative ranking curve [SUCRA]) value is regarded as an improved result for an individual's intervention. When ranking treatments, the closer the SUCRA value is to 100%, the higher the treatment ranking is relative to all other treatments.

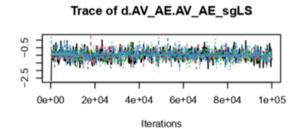




**Supplementary Fig. 4D**. Trace and density plot in fixed model for the pain score measured at 3 mo after acute herpes zoster

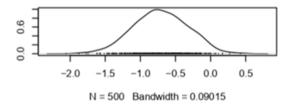




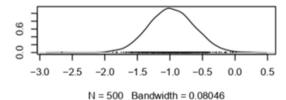


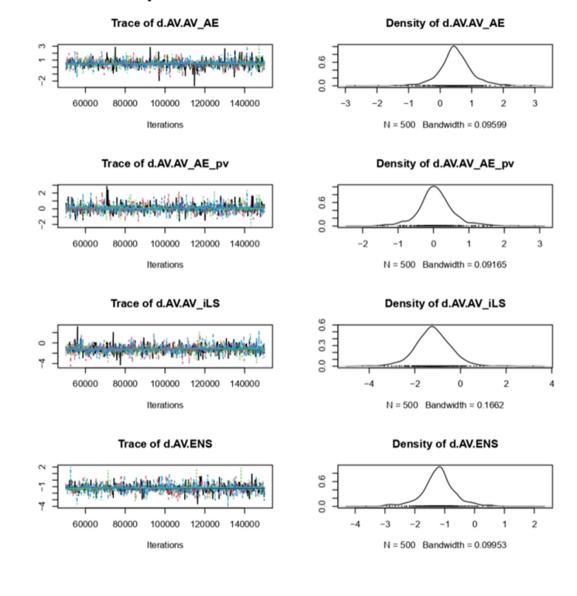


-0.2

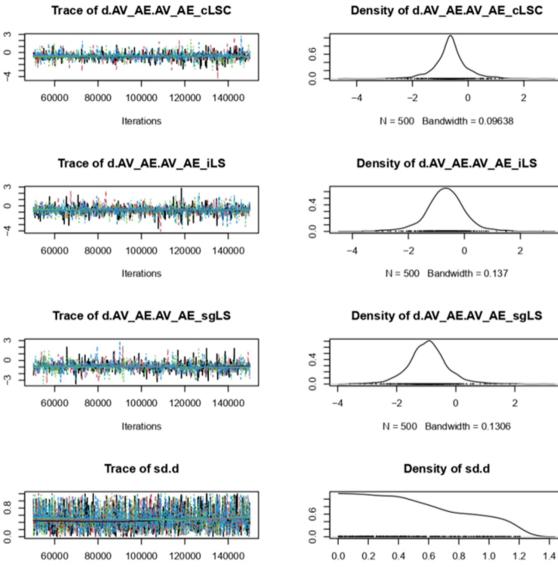




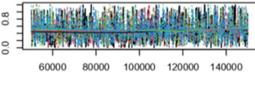




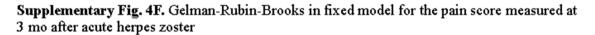
Supplementary Fig. 4E. trace and density plot in random model for the pain score measured at 3 mo after acute herpes zoster

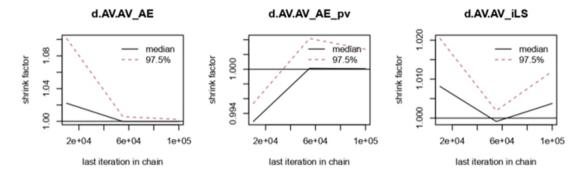


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Iterations



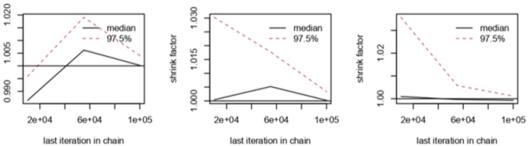


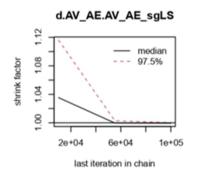


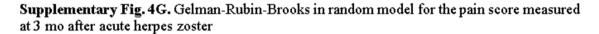
shrink factor

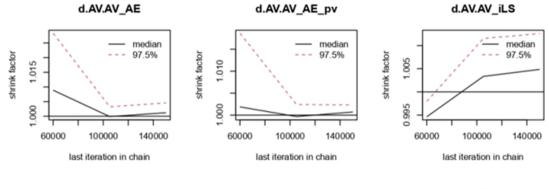








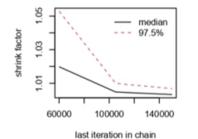


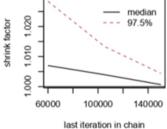


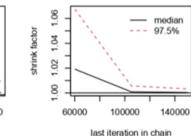


d.AV\_AE.AV\_AE\_cLSC

d.AV\_AE.AV\_AE\_iLS

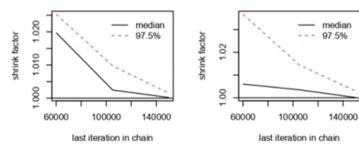


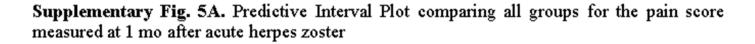


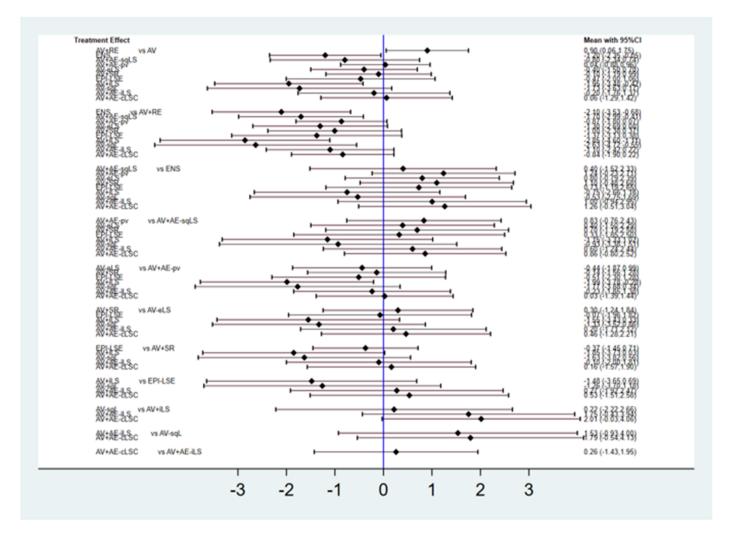






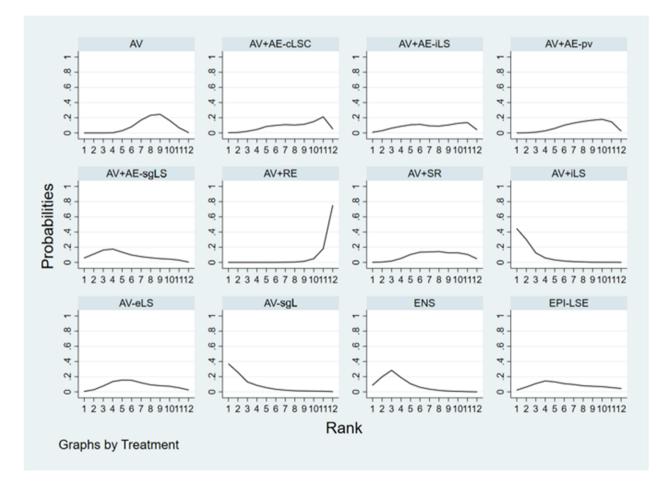






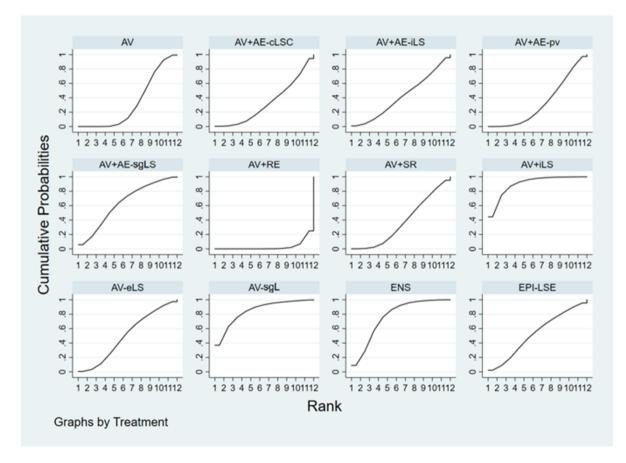
Supplementary Fig. 5B. The rankograms of the pain score measured at 1 mo after acute herpes zoster

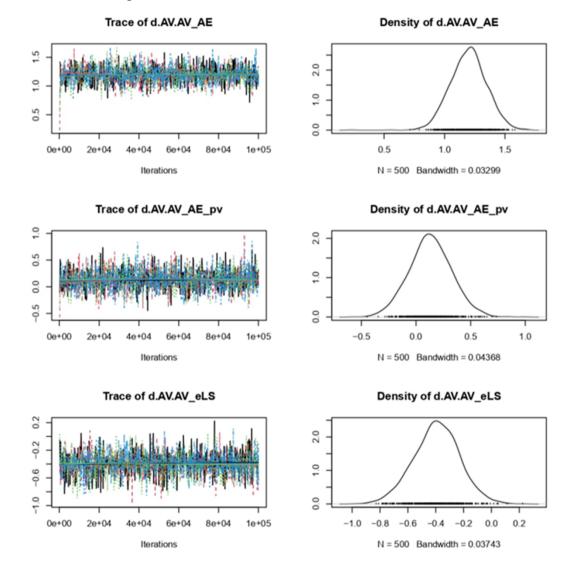
Profiles indicate the probabilities for treatments to assume any of the possible ranks. It is the probability that a given treatment ranks first, second, third, and so on, among all of the treatments evaluated in the NMA.



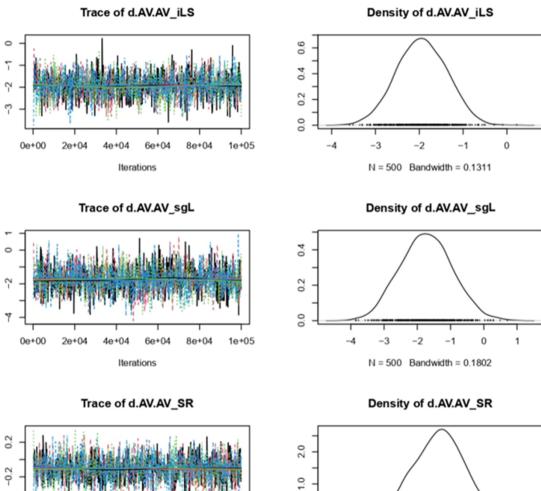
Supplementary Fig. 5C. The cumulative ranking curves of the pain score measured at 1 mo after acute herpes zoster

The profile indicates the sum of the probabilities from those ranked first, second, third, and so on. A higher cumulative ranking curve (surface of under cumulative ranking curve [SUCRA]) value is regarded as an improved result for an individual's intervention. When ranking treatments, the closer the SUCRA value is to 100%, the higher the treatment ranking is relative to all other treatments.





Supplementary Fig. 5D. Trace and density plot in fixed model for the pain score measured at 1 mo after acute herpes zoster



0.0

-0.8

-0.6

-0.4

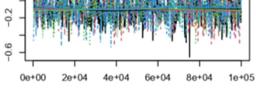
-0.2

N = 500 Bandwidth = 0.03404

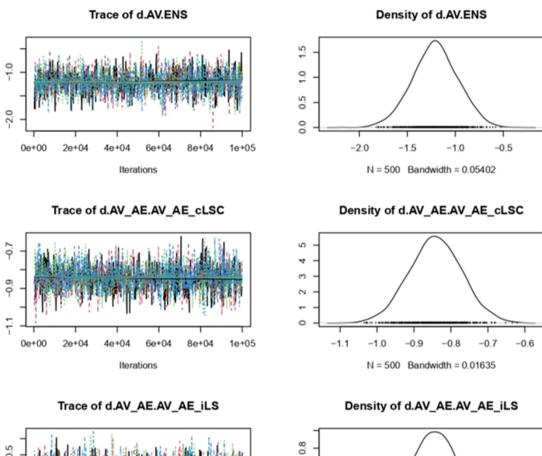
0.0

0.2

0.4



Iterations

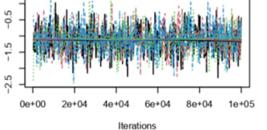


0.4

0.0

-2.5

-2.0



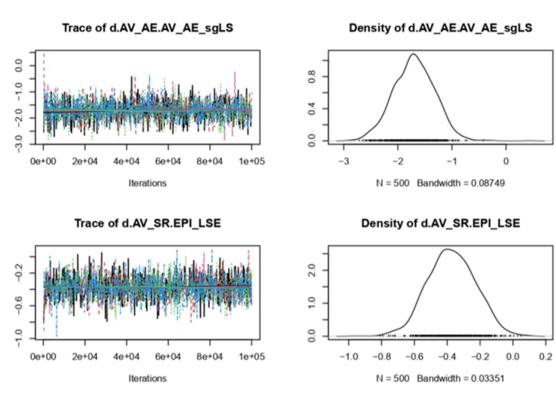
-1.0 N = 500 Bandwidth = 0.09272

-0.5

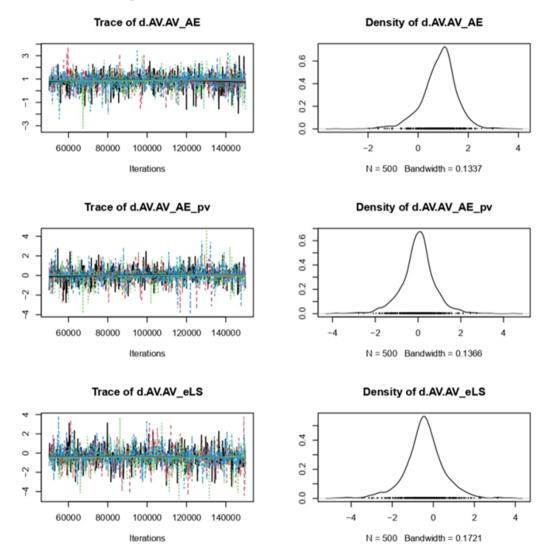
0.0

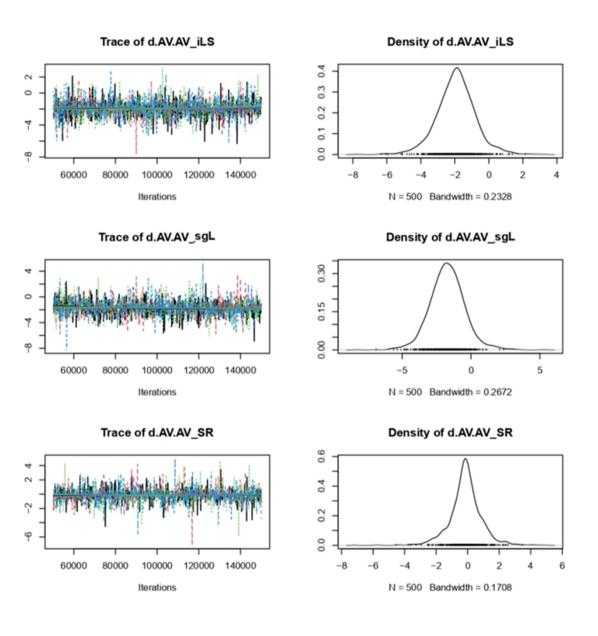
0.5

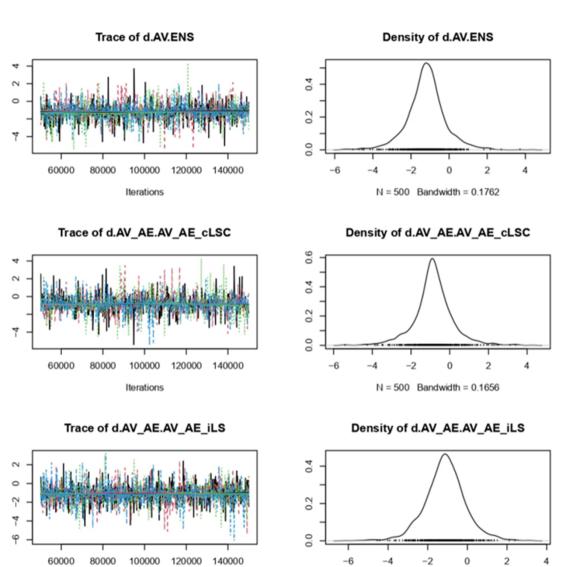
-1.5



Supplementary Fig. 5E. trace and density plot in random model for the pain score measured at 1 mo after acute herpes zoster







N = 500 Bandwidth = 0.2048

-4

0

2

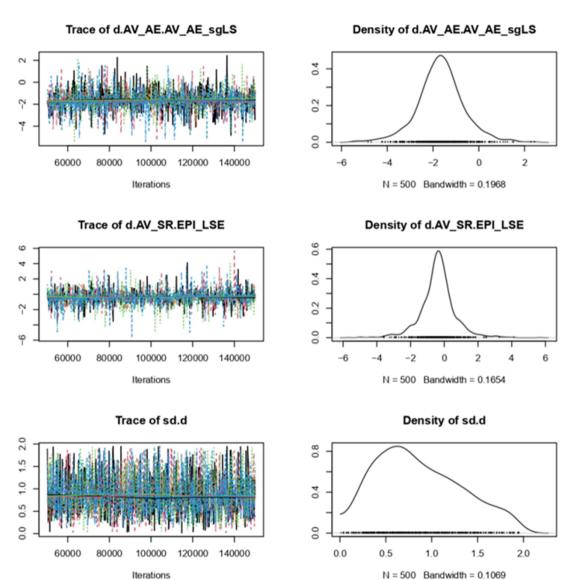
4

-6

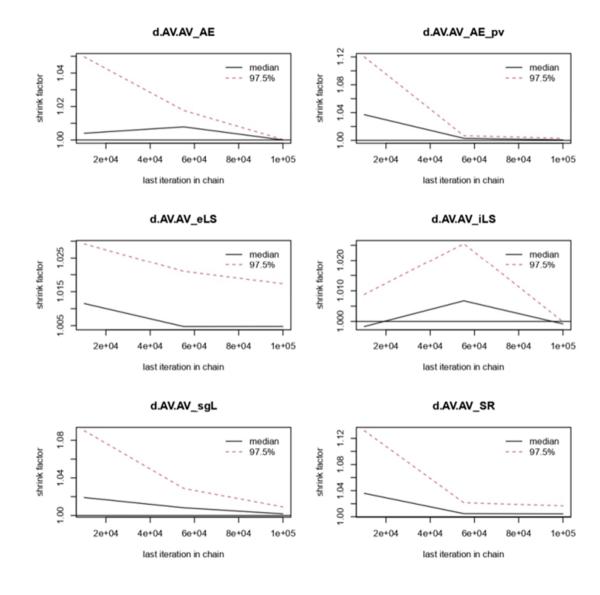
100000 120000

Iterations

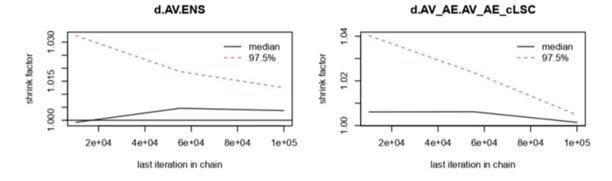
140000



## N = 500 Bandwidth = 0.1069

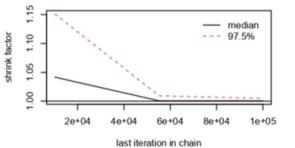


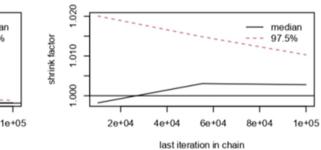
Supplementary Fig. 5F. Gelman-Rubin-Brooks in fixed model for the pain score measured at 1 mo after acute herpes zoster



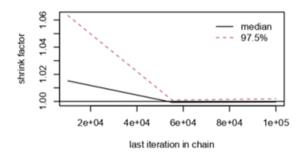


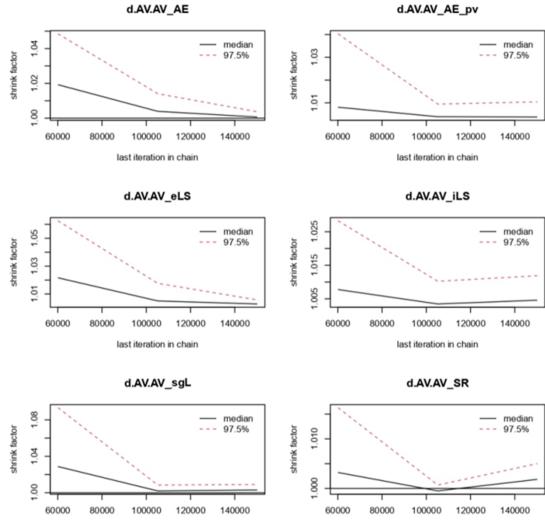
d.AV\_AE.AV\_AE\_sgLS





d.AV\_SR.EPI\_LSE





Supplementary Fig. 5G. Gelman-Rubin-Brooks in random model for the pain score measured at 1 mo after acute herpes zoster



last iteration in chain

