

Appendix Table 1: Tocolytic trials included in the study

Lead Author Name	Year	Total Number of Subjects	Comparison	Adequate sequence generation	Allocation concealment	Subject or personnel blinding	Outcome assessor blinding	Incomplete outcome data addressed	Free of selective reporting	Free of other bias	Quality Score	Final Quality Assessment
Adam	1966	51	Placebo v Isoxuprine	0	0	+	+	+	+	+	5	0
Al-Omari	2006	63	Nifedipine v Atosiban	-	-	-	0	+	+	+	3	0
Al-Qattan	2000	60	Nifedipine v Ritodrine	+	0	0	0	+	+	+	4	1
Amorim	2009	50	Notroglycerine v Nifedipine	+	+	-	+	0	+	+	5	1
Aramayo	1990	29	Magnesium Sulfate v Terbutaline	0	0	0	0	+	+	+	3	0
Beall	1985	131	Magnesium Sulfate v Ritodrine v Terbutaline	+	+	-	0	+	+	+	5	1
Besinger	1991	40	Indomethacin v Ritodrine	+	+	0	0	+	+	+	5	1
Bisits	2004	238	Glyceryl trinitrate v Betamimetic (either salbutamol or ritodrine)	+	+	0	0	+	-	+	4	1
Borna	2007	104	Celecoxib v Magnesium Sulfate	+	+	+	+	+	+	+	7	1
Canadian PTL Investigators Group	1992	708	Ritodrine v Dextrose solution	+	+	+	+	+	+	+	7	1
Cararach	2006	80	Ritodrine v Nifedipine	0	+	-	0	+	-	+	3	0
Caritis	1984	100	Terbutaline v Ritodrine	+	+	+	+	+	+	+	7	1
Csapo	1977	36	Placebo v Isoxsuprine	0	0	+	+	+	+	+	5	0
Chau	1992	98	Magnesium Sulfate v Terbutaline	-	-	0	0	+	+	+	3	0
Cotton	1984	54	Magnesium Sulfate v Terbutaline v Dextrose	0	0	0	0	-	+	+	2	0
Cox	1990	156	Magnesium Sulfate v Placebo	+	+	0	0	+	+	+	5	1
El-Sayed	1999	31	Magnesium Sulfate v	+	+	0	0	+	+	+	5	1

			Nitroglycerin									
Essed	1978	96	Ritodrine v Fenoterol	0	0	0	0	+	-	+	2	0
European Atosiban Study Group	2001	245	Atosiban v Terbutaline	+	0	+	+	+	+	+	6	1
Fan	2003	61	Nifedipine v Ritodrine	0	0	0	0	+	+	+	3	0
Floyd	1995	90	Magnesium Sulfate v Nifedipine	+	0	0	0	+	+	+	5	1
French/Australian Atosiban Investigators Group	2001	241	Atosiban v Salbutamol	+	+	+	+	+	+	+	6	1
Garcia-Velasco	1998	140	Nifedipine v Ritodrine	+	0	0	0	-	+	+	3	0
Glock	1993	80	Nifedipine v Magnesium Sulfate	0	0	0	0	+	+	+	3	0
Goodwin	1994	112	Placebo v Atosiban	+	+	+	+	+	+	+	7	1
Goodwin	1996	302	Atosiban v Ritodrine	+	+	+	+	+	+	+	7	1
Grignaffini	2007	91	Atosiban v Ritodrine	0	0	0	0	+	+	+	3	0
Gummerus	1983	140	Hexoprenaline v Salbutamol	0	0	0	0	+	+	+	3	0
Haghighi	1999	74	Nifedipine v Magnesium Sulfate	0	0	0	0	+	+	+	3	0
Hollander	1987	70	Magnesium Sulfate v Ritodrine	+	0	0	0	+	+	+	4	1
Holleboom	1996	201	Ritodrine v Ritodrine	0	+	+	+	+	+	+	6	1
How	2006	54	Placebo v Magnesium Sulfate	+	+	0	0	+	+	+	5	1
Husslien	2007	585	Atosiban v Other tocolytics	0	+	-	-	+	+	+	4	1
Ingemarsson	1976	30	Terbutaline v Placebo	0	+	+	+	+	+	+	6	1
Janky	1990	62	Nifedipine v Ritodrine	0	+	-	-	+	+	+	4	1
Jannet	1997	90	Nicardipine v Salbutamol	0	0	-	0	+	-	+	2	0
Kashainian	2005	80	Atosiban v Nifedipine	+	0	-	0	+	+	+	4	1
Kashanian	2011	81	Nifedipine v Indomethacin	+	0	-	+	+	0	+	4	1
Koks	1998	102	Nifedipine v	+	+	-	-	+	+	+	5	1

			Ritodrine									
Kramer	1999	20	Sulindac v Terbutaline	+	+	+	+	+	0	+	6	1
Kupferminc	1993	71	Nifedipine v Ritodrine	+	0	0	0	+	+	+	4	1
Kurki	1991	60	Indomethacin v Nylidrin	0	+	+	+	+	+	+	6	1
Laohapojanart	2007	40	Nifedipine v Terbutaline	0	+	-	+	+	+	+	5	1
Larmon	1999	122	Nicardipine v Magnesium Sulfate	+	+	-	-	+	+	+	5	1
Larsen	1980	136	Placebo v Ritodrine	0	0	+	+	+	+	+	5	0
Larsen	1986	99	Placebo v Ritodrine	+	+	+	+	+	0	+	6	1
Lauersen	1977	135	Ethanol v Ritodrine	0	0	0	0	+	+	+	3	0
Leveno	1986	106	Ritodrine v Placebo	+	+	0	0	+	+	+	5	1
Lin	2009	45	Atosiban v Ritodrine	+	0	-	0	+	+	+	4	1
Lorzadeh	2007	101	Magnesium Sulfate v HCG	0	0	0	0	+	+	+	3	0
Lyell	2007	192	Nifedipine v Magnesium Sulfate	+	+	0	0	+	+	+	5	1
Ma	1992	65	Placebo v Magnesium Sulfate	0	0	0	0	+	+	+	3	0
Maitra	2007	70	Nifedipine v Ritodrine	-	-	0	0	+	-	-	1	0
Mawaldi	2008	174	Nifedipine v Terbutaline	+	+	-	-	+	+	+	5	1
McWhorter	2004	214	Rofecoxib v Magnesium Sulfate	+	+	+	+	-	-	+	5	1
Merkatz	1980	309	Placebo v Ritodrine	0	0	0	0	+	+	+	3	0
Miller	1982	29	Magnesium Sulfate v Terbutaline	0	+	0	0	+	+	+	4	1
Mital	1992	160	Placebo v Mefenic Acid	0	0	+	+	+	+	+	5	0
Mittendorf	2002	150	Magnesium Sulfate v Other therapies	+	0	+	+	+	+	+	6	1
Morales	1989	52	Indomethacin v Ritodrine	0	+	0	0	-	+	+	3	0
Morales	1993	101	Indomethacin v Magnesium Sulfate	+	+	0	0	-	+	+	4	1
Motazedian	2010	200	Terbutaline v	+	+	+	+	+	-	+	6	1

			Salbutamol									
Moutquin	2000	247	Atosiban v Ritodrine	+	0	+	+	+	+	+	6	1
Nassar	2009	102	Nifedipine (high dose) v Nifedipine (low dose)	+	+	-		+	+	+	5	1
Neri	2009	54	Atosiban v Ritodrine	0	0	0	0	+	+	+	3	0
Niebyl	1980	30	Indomethacin v Placebo	+	+	+	+	+	+	+	7	1
Panter	1999	34	Placebo v Indomethacin	+	+	+	+	+	+	+	7	1
Papatsonis	1997	185	Nifedipine v Ritodrine	+	+	0	0	+	+	+	5	1
Parilla	1997	24	Indomethacin v Magnesium Sulfate	+	+	0	0	+	+	+	5	1
Rasanen	1995	20	Indomethacin v Sulindac	0	+	0	0	+	+	+	4	1
Rayamajhi	2003	62	Nifedipine v Isoxsuprine	0	0	0	0	+	+	+	3	0
Read	1986	60	Nifedipine v Ritodrine v Placebo	0	0	-	-	+	+	-	2	0
Romero	2000	501	Atosiban v Placebo	+	+	+	+	+	+	+	7	1
Roy	1992	40	Nifedipine v Isoxsuprine	0	0	0	0	+	0	+	2	0
Sawdy	2003	30	Sulindac v Nimesulide v Indomethacin	0	+	+	+	+	+	+	6	1
Schorr	1999	88	Ketorolac v Magnesium Sulphate	+	+	0	0	+	+	+	5	1
Shim	2006	128	Atosiban v Ritodrine	+	+	+	+	+	+	+	7	1
Sirohiwal	2001	60	Ritodrine v Isoxsuprine	-	-	-	0	+	+	+	3	0
Smith	2007	153	Nitroglycerine v Placebo	+	+	+	+	+	+	+	7	1
Spearing	1979	62	Alcohol v Indomethacin v Salbutamol	-	0	0	0	+	+	+	3	0
Spellacy	1979	29	Ritodrine v Placebo	0	0	+	+	+	+	+	5	0
Steer	1977	71	Magnesium Sulfate v Alcohol v Placebo	0	-	0	0	+	+	-	2	0
Stika	2002	24	Celecoxib v	0	+	+	+	+	-	+	5	1

			Indomethacin									
Surichamorn	2001	96	Magnesium Sulfate v Terbutaline	0	+	0	0	+	+	+	4	1
Taherian	2006	120	Nifedipine v Magnesium Sulfate	+	0	0	0	+	+	+	4	1
Tchilinguirian	1984	48	Magnesium Sulfate v Ritodrine	0	0	0	0	+	+	+	3	0
Thornton	2009	163	Barusiban v Placebo	+	+	+	0	+	+	+	6	1
Trabelsi	2008	48	Nicardipine v Salbutamol	0	+	-	0	+	+	+	4	1
Van de Water	2008	91	Nifedipine v Ritodrine	+	+	0	0	+	+	+	5	1
Wang	2000	71	Magnesium Sulfate v Ritodrine	0	0	0	0	+	+	+	3	0
Weerakul	2002	89	Nifedipine v Terbutaline	+	0	0	0	+	-	+	3	0
Weiner	1988	75	Placebo v Tocolysis	+	+	0	0	+	+	+	5	1
Wilkins	1988	120	Magnesium Sulfate v Ritodrine	+	+	0	0	+	+	+	5	1
Zhu	1996	126	Magnesium Sulfate v Ritodrine	0	0	0	0	+	+	+	3	0
Zuckerman	1984	36	Indomethacin v Placebo	0	0	+	+	+	+	+	5	0

For risk of bias assessments: + = adequate for that category, 0 = unclear, - = inadequate for that category. The Quality score is the number of + out of 7 for that trial. The overall Quality Assessment is given a 1=adequate overall quality or 0= inadequate overall quality if at least 4 of the domains are adequate with at least 1 being in the Sequence generation or Allocation concealment categories.