

9. Tables & Figures:

Table 1: Study Demographics

Author	Sample Size	Mean Age: NRT (yrs ± SD)	Mean Age: PLC (yrs ± SD)	Mean GA: NRT (wks ± SD)	Mean GA: Placebo (wks ± SD)	Mean Initial Tobacco Use: NRT (cig/day)	Mean Initial Tobacco Use: PLC (cig/day)	Multi-parity: NRT (%)	Multi-parity: PLC (%)	Socio-economic Status	Smoking Partner: NRT (%)	Smoking Partner: PLC (%)
Wisborg et al., 2000	n = 250 (NRT-124; PLC-126)	28.2 ± 4.9	28.5 ± 5.2	n/a	n/a	13.4	14.2	56.0%	59.0%	% Employment NRT-50%, PLC-52%	no data reported	no data reported
Kapur et al., 2001	n = 30 (NRT-17; PLC-13)	33.4 ± 7.4	31.4 ± 5.3	18 ± 4	15.5 ± 3	20.5	18.0	no data reported	no data reported	no data reported	75.0%	66.0%
Oncken et al., 2008	n = 194 (NRT-100; PLC-94)	25.5 ± 6.8	24.7 ± 5.4	17.1 ± 5.6	17.1 ± 5.5	10.2	8.7	84.0%	83.0%	% Less than high school education: NRT-53%, PLC-47%	no data reported	no data reported
Coleman et al., 2012	n = 1050 (NRT-521; PLC-529)	26.4 ± 6.2	26.2 ± 6.1	16.2 ± 3.6	16.3 ± 3.5	13.0	15.0	31.7%	31.4%	Average age of leaving full-time education: 16 years	74.0%	74.7%
Berlin et al., 2014	n = 402 (NRT-203; PLC-199)	29.1 ± 4.5	29.4 ± 4.5	17 ± 2.5	17 ± 2.5	11.0	10.0	67.5%	77.0%	% Low Income: NRT-78.8%, PLC-86.5%	71.4%	76.0%

GA- Gestational Age; NRT- Nicotine Replacement Therapy group; PLC- Placebo group

Table 2: Primary Outcome Measures

Author	Change in mean tobacco use: NRT (cig/day)	Change in mean tobacco use: PLC (cig/day)	Cessation Rates at 34-36 weeks gestation: NRT (%)	Cessation Rates at 34-36 weeks gestation: PLC (%)	Mean Birth Weight: NRT (g)	Mean Birth Weight: PLC (g)	Pre-term Delivery (<37 weeks): NRT (%)	Pre-term delivery (<37 weeks): PLC (%)	NICU: NRT (%)	NICU: PLC (%)	Fetal Demise: NRT (%)	Fetal Demise: PLC (%)
Wisborg et al., 2000	-6.7	-7.7	28.0	25.0	3457*	3271*	8	10	-	-	2.8**	2.8**
Kapur et al., 2001	-	-	23.5	0	-	-	-	-	-	-	-	-
Oncken et al., 2008	-5.7*	-3.5*	18	14.9	3287*	2950*	7.1*	18.4*	7	13	4.1	1.1
Coleman et al., 2012	-	-	9.4	7.6	3180	3200	7.9	8.7	6.5	6.8	1.6	0.8
Berlin et al., 2014	-7.9	-5.5	5.5	5.1	3065	3015	13.5	13	7.1	7.2	4	3

*p < 0.05

**Treatment group not specified by authors

NRT- Nicotine Replacement Therapy group; PLC- Placebo group; NICU- Neonatal Intensive Care Unit

Table 3: Safety & Methodological Concerns

Author	Side Effects: NRT	Side Effects: Placebo	Dropout: NRT	Dropout: Placebo	Protocol Adherence: NRT	Protocol Adherence: Placebo
Wisborg et al., 2000	Skin irritation, headache, &/or palpitations (4.4%)	Skin irritation, headache, &/or palpitations (4.4%)	no data reported	no data reported	17% used all 15mg patches; 11% used all 10mg patches	8% used all 15mg placebo; 7% used all 10mg placebo
Kapur et al., 2001	no data reported	no data reported	76.5%	100.0%	59% withdrew after 7 days, 18% withdrew after 21 days	77% withdrew after 7 days, 23% withdrew after 21 days
Oncken et al., 2008	Dizziness, heartburn, &/or emesis (12%)	Dizziness, heartburn, &/or emesis (15%)	3% (78% attended last pre-natal visit*)	5.3% (64% attended last pre-natal visit*)	Average duration of gum use: 37.8 days	Average duration of gum use: 29.9 days
Coleman et al., 2012	Withdrawal due to unspecified adverse events (8.8%)	Withdrawal due to unspecified adverse events (6%)	5.2%	5.5%	7.2% used patch >28 days	2.8% used patch >28 days
Berlin et al., 2014	Skin irritation (11%); 0.02mmHg/day increase in diastolic blood pressure*	Skin irritation (4%)	45.8%	56.8%	85% compliance with patch usage	83% compliance with patch usage

*p<0.05

NRT- Nicotine Replacement Therapy group

Figure 1: Process of Study Retrieval

