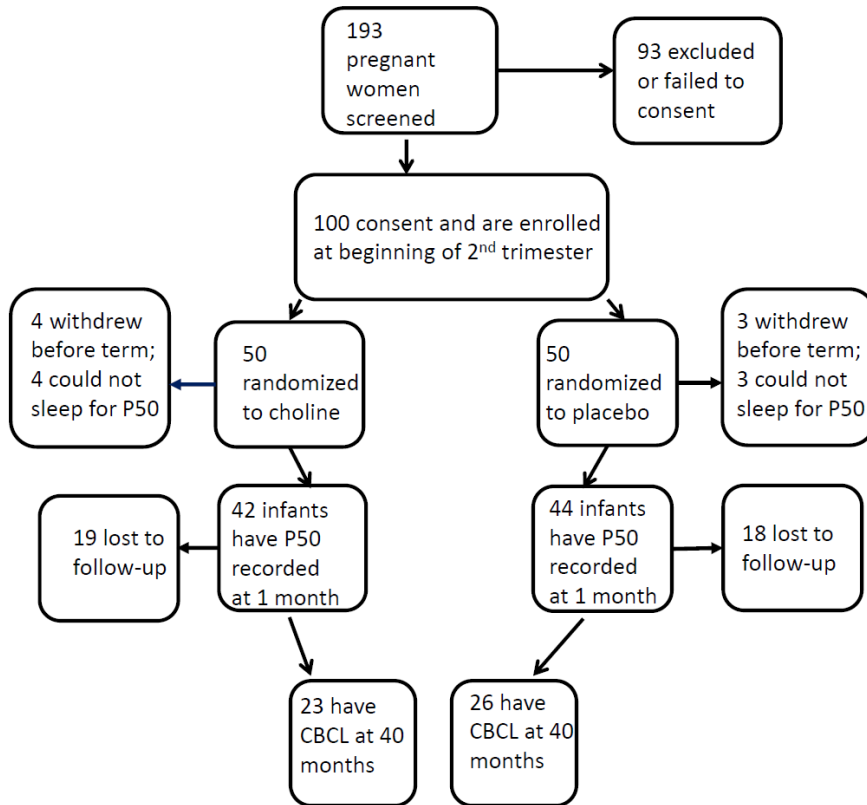


**FIGURE 1. CONSORT Diagram**



**TABLE S1. Models of Interaction Between Perinatal Phosphatidylcholine Treatment and CHRNA7 rs3087454 on Child Behavior Check List Ratings at 40 months.**

1. Models for CBCL Withdrawn: SAS Procedure GLM

Dependent Variable: CBCL Withdrawn Rank Score

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Gender	1,46	975.921339	975.921339	7.60	0.0083
Choline	1,46	1234.374985	1234.374985	9.61	0.0033

Moderation Model: Dependent Variable CBCL Withdrawn Rank Score

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Gender	1,39	399.5676506	399.5676506	3.43	0.0715
Choline	1,39	5.9937950	5.9937950	0.05	0.8216
CHRNA7	1,39	234.6636709	234.6636709	2.02	0.1635
Choline*CHRNA7	1,39	513.2647770	513.2647770	4.41	0.0422

2. Models for CBCL Attention: SAS Procedure GLM

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Gender	1,46	410.3458139	410.3458139	2.27	0.1384
Choline	1,46	822.0734414	822.0734414	4.56	0.0382

Moderation Model: Dependent Variable CBCL Attention Rank Score

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Gender	1,39	363.6971510	363.6971510	2.16	0.1498
Choline	1,39	0.6306959	0.6306959	0.00	0.9515
CHRNA7	1,39	1.3757017	1.3757017	0.01	0.9285
Choline*CHRNA7	1,39	220.8521252	220.8521252	1.31	0.2593