

H 1.2 Phenytoin compared to phenobarbitone exposure in utero

3 independent studies

Study	Outcome measures <i>age</i>	Findings	PHT <i>N</i>	PHB <i>N</i>	Difference in means (95% confidence intervals) p values for comparisons where applicable
<i>Early years</i>			<i>3 studies</i>		
HOUSTON Hill 1982	Gesell development Mean (SD) <i>18-36 mths</i>	No difference reported. ^φ Exposed in each group is very small	108 (12) <i>11</i>	102(21) <i>3</i>	6.0(-18.80,30.80) p=0.6 ^φ
WASINGTON Leavitt 1992	Bayley Mental Developmental index MDI mean <i>12 mths</i>	Insufficient information	113 measure of variability not available <i>numbers exposed unclear</i>	115 measure of variability not available <i>numbers exposed unclear</i>	
NCPP USA Shapiro 1976	Specific tests not detailed Mental Motor Adjusted (for ethnic group, SES, hospital) Mean (SD) <i>8 mths</i>	Similar scores in both groups	78.7 (6.96) 32.9 (5.06) <i>40</i>	78.6 (7.10) 32.3 (5.32) <i>35</i>	0.10(-3.09,3.29) p=1 0.60(-1.76,2.96) p=0.6
<i>Preschool to school years</i>			<i>2 studies</i>		
NCPP USA Shapiro 1976	Specific tests not detailed IQ Adjusted (for ethnic group, SES, hospital) IQ Mean(sd) <i>4 yrs</i>	This specific comparison was not reported in the study	91.1 (15.97) <i>35</i>	96.4 (16.11) <i>27</i>	-5.30(-13.36,2.76) p=0.2
HOUSTON Hill 1982	WISC / WPPSI Mean (SD) <i>4-9 yrs</i>	No difference between groups. ^φ	120 (14) <i>9</i>	120 (11) <i>2</i>	0.0(-17.78, 17.78) p=1 ^φ

φ the study does not quote any significance tests for these comparisons

* The p values have been derived using the comparisons in each particular row where the relevant information is available. The values have not been adjusted for multiple tests and so must be interpreted with caution. At times the original paper may not have cited a significant result, as adjustments may have been made for multiple comparisons.