

Supplemental Digital Content: Details of malformations for the 32 infants with major birth defects

ID	Confirmed Birth Defect	Organ System	1 st Trimester Exposure	2 nd Trimester Exposure	3 rd Trimester Exposure
1	PDA, ASD, VSD	Cardiovascular	-----	-----	ZDV
2	VSD perimembranous, PDA, tracheoesophageal fistula, esophageal atresia	Cardiovascular, Gastrointestinal	ZDV, 3TC, NFV, Other NRTI	ZDV, 3TC, NFV	ZDV, 3TC, NVP
3	Pyloric stenosis	Gastrointestinal	-----	-----	ZDV
4	Congenital chordee w/o hypospadias	Genitourinary	-----	3TC, d4T, Lopinavir/Ritonavir	3TC, d4T
5	VSD	Cardiovascular	-----	ZDV	-----
6	Hypospadias	Genitourinary	3TC	3TC	-----
7	PFO, PDA, complete congenital heart block	Cardiovascular	-----	ZDV	ZDV
8	VSD, PFO	Cardiovascular	-----	-----	FTC, TDF, Lopinavir/Ritonavir
9	PFO, right ventricular hypertrophy	Cardiovascular	-----	ZDV	ZDV
10	Bilateral periventricular cysts	CNS	ZDV, 3TC	ZDV, 3TC	ZDV, 3TC
11	Postaxial polydactyly	Musculoskeletal	-----	ZDV, 3TC, Other NRTI	ZDV, 3TC, Other NRTI
12	Polydactyly	Musculoskeletal	-----	-----	ZDV, 3TC, NVP
13	VSD, PFO, PDA	Cardiovascular	ZDV, 3TC	ZDV, 3TC	ZDV, 3TC
14	Coarctation of aorta, PFO	Cardiovascular	-----	ZDV, 3TC, NFV	FTC, TDF, Other PI
15	Hirschsprung's disease	Gastrointestinal	ZDV, 3TC, NFV	ZDV, 3TC, NFV	ZDV, TDF, Lopinavir/Ritonavir
16	Tuberous sclerosis, PFO	Cardiovascular, Other	-----	-----	ZDV, 3TC, NFV
17	Preaxial polydactyly	Musculoskeletal	-----	ZDV, 3TC, Other NRTI	ZDV, 3TC, Other NRTI
18	Duodenal atresia	Gastrointestinal	-----	-----	ZDV
19	VSD, ASD (aneurysmal septum primum)	Cardiovascular	-----	ZDV	ZDV
20	Pulmonary artery stenosis	Cardiovascular	-----	ZDV, 3TC, NFV	ZDV, 3TC, NFV
21	Hypospadias	Genitourinary	-----	ZDV, 3TC	ZDV, 3TC
22	VSD	Cardiovascular	-----	-----	-----
23	Hypospadias	Genitourinary	-----	-----	-----
24	Preaxial polydactyly	Musculoskeletal	FTC, NFV, Other NRTI	FTC, NFV, Other NRTI	ZDV, 3TC, FTC, NFV, Other NRTI
25	ASD, PDA, absence of 1 pair of ribs, hemivertebrae at T10	Cardiovascular, Other	-----	-----	ZDV
26	Cleft palate	Orofacial	-----	-----	-----
27	Postaxial polydactyly	Musculoskeletal	-----	ZDV	ZDV, 3TC, d4T, NFV
28	Postaxial polydactyly	Musculoskeletal	-----	ZDV, 3TC, NFV	ZDV, 3TC, NFV
29	Pharyngeal abnormality	Other	-----	ZDV, 3TC, NVP	-----
30	Pyloric stenosis	Gastrointestinal	ZDV, 3TC,	ZDV, 3TC,	ZDV, 3TC, Other

			Other NRTI, Other PI	Other NRTI, Other PI	NRTI, Other PI
31	Common truncus, Tricuspid stenosis, pulmonary atresia, right ventricular hypoplasia, Ebstein anomaly, PDA, Wolff-Parkinson-White Syndrome (426.705)	Cardiovascular	ZDV, 3TC, Other NRTI	ZDV, 3TC, Other NRTI	ZDV, 3TC, Other NRTI
32	Split-hand malformation	Musculoskeletal	ZDV, 3TC, Other PI	ZDV, 3TC, Other PI	ZDV, 3TC

PDA: patent ductus arteriosus; ASD: atrial septal defect; VSD: ventricular septal defect; PFO: patent foramen ovale; ZDV: zidovudine; 3TC: lamivudine; d4T: stavudine; FTC: emtricitabine; TDF: tenofovir disoproxil fumarate; NVP: nevirapine; NFV: nelfinavir; NRTI: nucleoside reverse transcriptase inhibitors; PI: protease inhibitors