**Supplementary Materials S2:** Therapeutic abortions, showing skeletal abnormalities at X-ray examination.

| Case n. | Number of Rx anomalies | Type of Rx anomalies | Pathological diagnosis | Genetic test results |
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| 1 | 3 | Clinodactyly, clubfoot, transitional vertebrae | Mosaic trisomy 14 | Mosaic 7 xx + 14 |
| 2 | 3 | Polydactyly, Turricephaly, Occipital dysplasia | Joubert syndrome | Normal |
| 3 | 3 | Arthrogryposis<br>Clinodactyly, Syndactyly | AVID[1] | Normal |
| 4 | 7 | Microcephaly, transitional vertebrae micrognathia, occipital dysplasia, aspecific cranial anomalies, incomplete vertebral development, arthrogryposis | COFS [2] syndrome | Normal |
| 5 | 1 | Clinodactyly | Agenesis of the corpus callosum,<br>intestinal malrotation, bilateral adrenal hyperplasia | Normal |
| 6 | 5 | Sacrococcygeal anomalies, femoral hypoplasia, nonspecific cranial anomalies, short limbs, micrognathia | Polymalformative syndrome (limb hypoplasia, cleft lip, right lung with four lobes, webbed penis) | Normal |
| 7 | 2 | Arthrogryposis, micrognathia | FADS[3] | Normal |
| 8 | 2 | Radial Aplasia,<br>clinodactyly | Placental insufficiency,<br>pulmonary hypoplasia | Unknown |
| 9 | 4 | Clinodactyly, costal anomalies, limb dysplasia, aspecific cranial anomalies | Osteogenesis imperfecta type 2 | Unknown |
| 10 | 1 | Micrognathia | Agenesis of the corpus callosum | Unknown |
| 11 | 1 | Micrognathia | Klinefelter syndrome | 47xxy |
| 12 | 3 | Aspecific cranial anomalies, micrognathia, clubfoot | Wolf-hirschorn syndrome | 4p16,3 microdeletion |
| 13 | 1 | Micrognathia | Low fetal weight (at 15-16 weeks) with intrauterine pneumonia | Unknown |
| 14 | 1 | Occipital Dysplasia | Down syndrome | Mosaic 47 xx+21 |
| 15 | 2 | Syndactyly, Micrognathia | Agenesis of the corpus callosum | Unknown |
| 16 | 1 | Micrognathia | Disorder of sexual development (DSD) with visceral polymalformations | 46,xy DSD |

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| 17 | 2 | Costal anomalies, short limbs | Thanatophoric dysplasia type 1 | Normal |
| 18 | 1 | Turricephaly | Klinefelter syndrome | Mosaic 47 xxy |
| 19 | 2 | Microcephaly, double ulna | Silver-Russel syndrome | Normal |
| 20 | 1 | Clubfoot | Polyhydramnios,<br>bilateral clubfoot | Unknown |
| 21 | 1 | Nonspecific cranial anomalies | Edwards Syndrome | 47 xy +18 |
| 22 | 4 | Clinodactyly, skeletal dysplasia, cleft palate, short limbs | Lower limb dysplasia | Unknown |
| 23 | 3 | Radius aplasia, double ulna, polydactyly | Mirror hand syndrome (double ulna) | Normal |
| 24 | 3 | Clinodactyly, syndactyly, micrognathia | Amniotic band syndrome | Unknown |
| 25 | 4 | Nonspecific cranial anomalies, micrognathia, short limbs, clubfoot | Craniofrontonasal dysplasia | Normal |
| 26 | 2 | Transitional vertebrae, micrognathia | Chromosomal anomaly | 48xx |
| 27 | 3 | Femoral hypoplasia, clubfoot, cleft palate | Femoral facial syndrome | Normal |
| 28 | 4 | Rib anomalies, limb dysplasia, sacrococcygeal anomalies, nonspecific cranial anomalies | Thanatophoric dysplasia type 2 | Unknown |
| 29 | 1 | Micrognathia | Edwards Syndrome | 47 xy +18 |
| 30 | 2 | Humeral hypoplasia, oligodactyly | Upper limb malformations | Normal |
| 31 | 2 | Spina bifida, clubfoot | Arnold Chiari malformation type 2, meningocele | Normal |
| 32 | 1 | Clinodactyly | Dandy Walker Syndrome | Normal |
| 33 | 2 | Supernumerary vertebrae, microcephaly | Right microphthalmia/microcephaly | 46 xx with 7q32 deletion and microduplication of the terminal region of chromosome 6 |
| 34 | 2 | Microcephaly, incomplete vertebral development | Meckel-Gruber syndrome (ciliopathy) | Normal |
| 35 | 4 | Turricephaly, micrognathia, incomplete vertebral development, transitional vertebrae | Omphalocele; Diaphragm Eventration (blastogenesis defect) | Normal |
| 36 | 4 | Micrognathia,<br>clinodactyly, transitional vertebrae, clubfoot | Agenesis of the corpus callosum, renal malformations | Normal |
| 37 | 1 | Incomplete vertebral development | cerebellar vermis hypoplasia, gallbladder atresia, scoliosis | Unknown |
| 38 | 4 | Occipital dysplasia, micrognathia,<br>radius aplasia, clinodactyly | Edwards Syndrome,<br>Heart defects, hydrocephalus | 47 xy + 18 |

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| 39 | 2 | Incomplete vertebral development, micrognathia, | VACTERL single umbilical artery, esophageal atresia, right ventricular hypoplasia, vermian hypoplasia. | Normal |
| 40 | 3 | Oligodattilia,<br>displasia art sup/inf<br>displasia scheletrica | Sindrome di Fuhrmann | Not executed |
| 41 | 3 | Anomalie costali<br>displasia art sup/inf<br>oligodattilia | esophageal atresia, radius and left hand radius atresia | Not executed |
| 42 | 5 | vertebra sopranumeraria<br>oligodattilia<br>incompleto sviluppo vertebrale<br>displasia art sup/inf<br>anomalie costali | single umbilical artery+<br>VACTERL + MURCS | Not executed |
| 43 | 7 | ipoplasia omero<br>micrognazia<br>incompleto sviluppo vertebrale<br>ipoplasia femore<br>anomalie sacro/coccige<br>displasia art sup/inf<br>displasia scheletrica | Caudal Regression Syndrome (CRS)+ cardiac alterations, renal and bladder agenesis, anal atresia, limb alteration | Not executed |
| 44 | 3 | anomalie sacro/coccige<br>incompleto sviluppo vertebrale<br>micrognazia | Dandy Walker Sdr + vertebral and facial alterations | Not executed |
| 45 | 3 | piede torto<br>artrogriposi<br>anomalie costali | flexed wrists and club feet, reduced number of ribs, urethrovaginal fistula, imperforate anus | 46xx |
| 46 | 1 | micrognazia | facial dysmorphism, syndactyly, pulmonary hypoplasia, corpus callosum agenesis, cerebellar hypoplasia, unilateral renal cystic dysplasia. | triploidia |
| 47 | 2 | incompleto sviluppo vertebrale<br>anomalie sacro/coccige | Caudal Regression Syndrome (CRS) | 46xx |
| 48 | 2 | piede torto<br>artrogriposi | Ventricular septal defect, abdominal cysts, imperforate anus, hypoplastic cerebellum, clubfoot, flexed lower limbs | Not executed |
| 49 | 3 | Micrognazia* | Fetal lymphangioma of the face | Not executed |

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| | | anomalie craniche aspecifiche<br>incompleto sviluppo vertebrale | | |

[1]AVID: Asymmetric ventriculomegaly, interhemispheric cyst, and corpus callosum dysgenesis.
[2]COFS: (Pena-Shokeir, type 2); Cerebro-oculo-facio-skeletal.
[3] FADS: **(**Pena-Shokeir, type 1); Fetal akinesia deformation sequence (FADS).
***This data was not confirmed by anatomopathology