## Appendix 1. Algorithm used to identify cases with craniofacial microsomia (CFM)

Participants identified through query of hospital databases using CFM codes **Select CFM features:**  Microtia Anotia Presence of select CFM Facial asymmetry features\* identified on Preauricular tag(s) Facial tag(s) medical record review? Epibulbar dermoid Macrostomia No Not a Case **Inclusion Criteria:** Yes At least ONE of the following: Microtia Anotia • Facial asymmetry AND Preauricular tag(s) Meet Facial asymmetry AND Facial tag(s) Inclusion • Facial asymmetry AND Epibulbar dermoid Facial asymmetry AND Macrostomia Criteria? Preauricular tag AND epibulbar dermoid No Preauricular tag AND macrostomia Not a Case • Facial Tag AND epibulbar dermoid Macrostomia AND epibulbar dermoid Yes Meet **Exclusion Criteria:** Syndrome **Exclusion** Abnormal karyotype Criteria? Yes Not a Case No

Case