

Assessment of orbital growth parameters in a healthy Caucasian pediatric population based on CT-scan measurements

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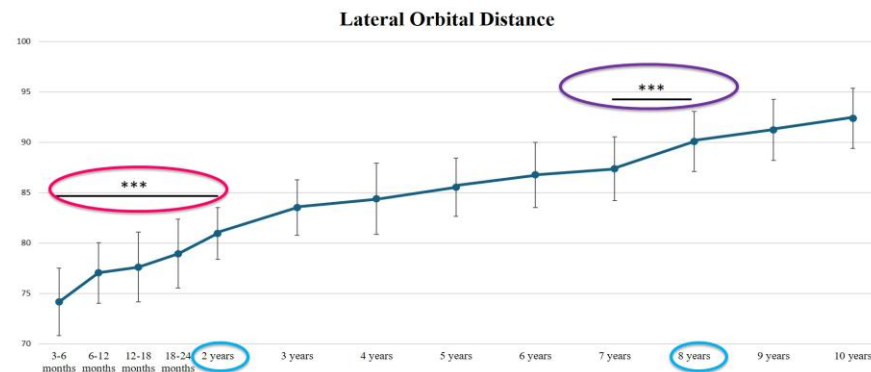
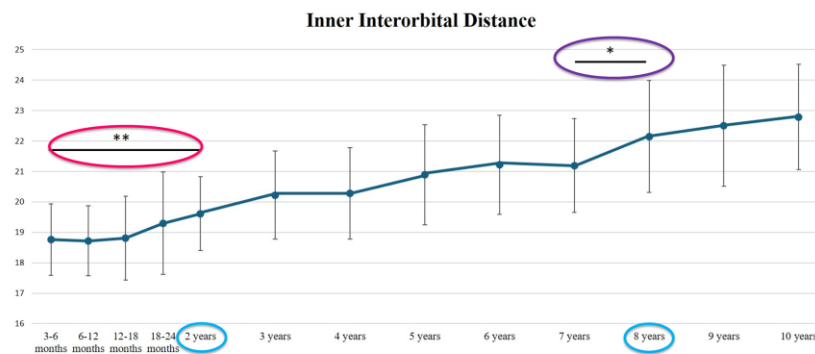
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Retrospective monocentric study
 Tours University Hospital
 (2010– 2024)
Craniofacial CT-scans
Age: 3 months – 10 years

Anatomical landmarks:

- Inner InterOrbital distance (IOD)
- Lateral InterOrbital distance (LOD)
- IOD/LOD ratio



I/ Constant IOD/LOD ratio during growth: **isometric orbital growth**

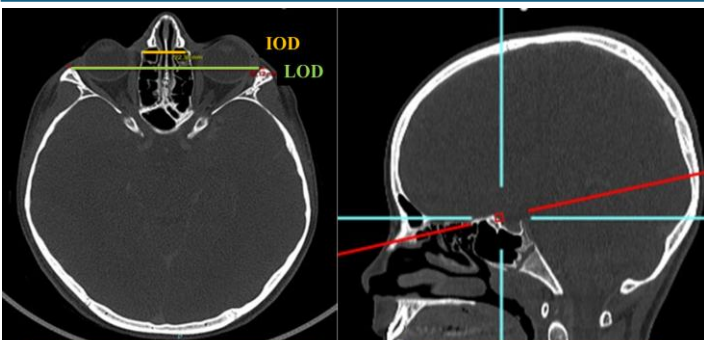
II/ 2 interorbital growth spurts: **2 years and 8 years**

→parallel to the brain and skull growth spurts

→parallel to hormonal changes

III/ Small increase of interorbital distance from 3 months to 10 years: **+4mm**

→ **no excessive reduction of IOD** in orbital hypertelorism



Interorbital distance measurements

Neuro-ocular plan (Cabanis)