

## **Craniofacial architecture and intentional skull deformations**

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Intentional skull deformations are reported worldwide, from prehistoric times to mid-XX<sup>th</sup> century. These spectacular deformations were obtained by exerting external forces on the growing skull of new-borns and led to deep modifications in craniofacial architecture. The current available data on these deformations is issued from dry skulls, descriptions by anthropologists and photographs for the most recent cases.

Using CT-scans and photographs from South American and French intentional deformation cases, we combine Jean Delaire's architectural principles with additional shape analysis methods to characterise the interactions between external mechanical forces and intrinsic growth processes.