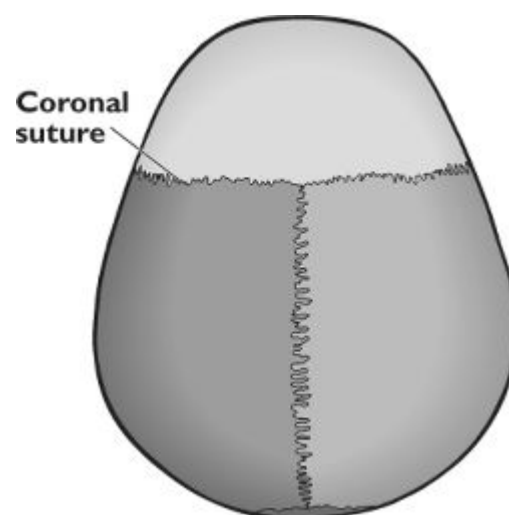


Coronal suture

The coronal suture is a dense, fibrous connective tissue joint that separates the **frontal bone** and **parietal bones** of the **skull**.



The first step in the surgical planning is to know the localization of the coronal suture. According to the study of Sarmiento et al the distance between the nasion and the coronal suture ranged from 11.5 to 13.5 cm (average 12.02 cm) ¹⁾. Although these measurements are in accordance to literature ^{2) 3) 4)}.

Premature closure

There are two possible deformities that can be caused by the premature closure of the coronal suture:

A high, tower-like skull called “**oxycephaly**”

A twisted and asymmetrical skull called “**plagiocephaly**”

Coronal suture derived from the paraxial mesoderm

¹⁾

Sarmiento SA, Jácome DC, de Andrade EM, Melo AV, de Oliveira OR, Tedeschi H. Relationship between the coronal suture and the central lobe: how important is it and how can we use it in surgical planning? Arq Neuropsiquiatr. 2008 Dec;66(4):868-71. PubMed PMID: 19099127.

²⁾

Gusmão S, Reis C, Silveira RL, Cabral G. Relationships between the coronal suture and the sulci of the lateral convexity of the frontal lobe: neurosurgical applications. Arq Neuropsiquiatr 2001;59:570-576.

³⁾

Gusmão S, Silveira RL, Arantes A. Landmarks to the cranial approach es. Arq Neuropsiquiatr 2003;61:305-308.

⁴⁾

Gonzales-Portillo G. Localization of the central sulcus. Surg Neurol 1996;46:97-99

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