

Clinical Pediatric Neurology

Malformation	Description
Scaphocephaly “boat-head” or Dolicocephaly “elongated”	Premature sagittal suture closure resulting in a narrow elongated skull
Trigonocephaly	Premature closure of metopic sutures result in narrow forehead
Brachycephaly	Premature closure of coronal sutures resulting in short head
Pansynostosis	Closure of all sutures resulting in microcephaly
Plagiocephaly “skew head”	Premature closure of either one coronal or one lambdoid suture

Syndromes associated with Craniosynostosis

Crouzon syndrome	Brachencephaly resulting in shortened depth of anterior cranial fossa, proptosis. May be associated with conductive hearing loss, brain malformations or mental retardation.
Apert’s syndrome	Similar to Crouzon with soft tissue syndactyly involving 2 nd , 3 rd , 4 th fingers and all toes, beaked nose, flat facies.
Carpenter syndrome	Craniosynostosis plus mental retardation, syndactyl and obesity.
Jackson Weiss syndrome	Craniosynostosis plus mental retardation and large widely spaced big toes
Pfeiffer syndrome	Craniosynostosis plus mental retardation, syndactyly, broad great toes and thumbs, hypertelorism and a beaked nose.
Antler-Bixler syndrome	Craniosynostosis plus mental retardation, bowed ulna, femur, fused interphalangeal joints and proptosis.
