

Management of Pediatric Mandibular Fracture using Acrylic cap splint & Circum-mandibular Wiring-A Report of 12 Cases

Amit Agnihotri, Deepshikha Agnihotri, Deepti Dwivedi, Vinay Dwivedi

A - Senior Lecturer, Department of Oral and Maxillofacial Surgery, Index Dental College, Indore, (M.P.)

B - Senior Lecturer, Department of Prosthodontics, Index Dental College, Indore, (M.P.)

C - Senior Lecturer, Department of Paedodontics, Maitri College of Dentistry & Research Centre, Durg, C.G.

D - Senior Lecturer, Department of Orthodontics, Maitri College of Dentistry & Research Centre, Durg, C.G.

Abstract:

Trauma to the pediatric patients can have a deep psychological impact on the minds of young children. Management of mandibular fracture in pediatric patient poses a unique challenge to the maxillofacial surgeon in terms of treatment planning, functional and nutritional needs. The principle of treatment of mandibular fracture differs from that of adults due to concerns of mandibular growth and development of permanent dentition. In this clinical study we are showing the outcomes of treatment in terms of fracture healing and functional stability in 12 pediatric mandibular fracture patients using acrylic splints and circum-mandibular wiring.

Key words: Pediatric mandibular fracture, Circum-mandibular wiring, Acrylic cap splint, Mandibular awl.