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Orbital trauma management - Nurturing past understanding with 21-st century ideas

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Orbital fractures account for a significant portion of traumatic facial injuries. The management of these fractures is often challenging due to the impact that they can have on vision. Acute treatment involves a thorough clinical examination and management of concomitant ocular injuries. The clinical and radiographic findings for each individual patient must then be analysed for the need for surgical intervention. Deformity and vision impairment can occur from these injuries, and while surgery is intended to prevent these problems, it can also create them. Therefore, surgical approach and implant selection should be carefully considered. Accurate anatomic reconstruction requires complete assessment of fracture margins and proper implant contouring and positioning. The implementation of new technologies for implant shaping and intraoperative assessment of reconstruction will hopefully lead to improved patient outcomes. Not all orbital fractures require operative repair. However, bony disruption can cause enophthalmos, hypothalamus, tele canthus, epiphora, cerebrospinal fluid leaks, orbital hematoma, and even blindness to name a few. Timing of operative repair as well as reconstructive method is dictated by the patient's individual presentation. Successful fracture management requires a detailed understanding of the anatomy and pathophysiology to ensure restoration of the patients' preoperative state. Orbital trauma encompasses a wide variety of mechanisms of injury and resulting fracture patterns. A variety of surgical approaches to the orbit exist as has been discussed allowing the surgeon access to all area of interest. Regardless of the fracture complexity, the principles of atraumatic technique, anatomic reduction, and stable fixation apply in all cases.

Biography

Manish Anand, a passionate surgeon and has a broad interest in Oral and Maxillofacial surgery. He received a master in oral and Maxillofacial degree from India and have been awarded a Diploma in Primary care dentistry from the Royal College of Surgeons, Ireland. He is an associate member of the Royal College of Faculty of Dentistry from Edinburgh. He has five prestigious publications in international journals and currently pursuing Masters of Business Administration from Australia. An enthusiast surgeon who believes in bringing the best of the patients. He understands disease from every perspective and tries to solve complex issues multidimensionally.

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