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Orbital fractures and their management

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Aim: Fractures of the orbit are a common occurrence following facial trauma. However not all require surgical repair. Criteria for repair currently vary, depending on CT appearances, clinical features and patient's preferences. This study looks at those patients attending Northwick Park Hospital oral and maxillofacial surgery department with orbital fractures in the last 3 years and their subsequent management.

Method: Data was collected retrospectively from 01/01/2015 to 22/11/2018. All patients within the Trust who had CT and XRAY facial bones, CT orbits and MRI orbits were included. From this data, patients who had orbital fractures were identified. The hospital records were then reviewed, noting which patients had surgical management, the reasons for repair, and timing of repair. Non-surgical cases and post-operative complications were also recorded.

Results: These will be presented.

Conclusion: Currently there are no rigid and evidence based guidelines that enable us to clearly decide management for orbital fractures. Practices vary widely and should be based on risk benefit analysis. Our results will illustrate our departmental guidelines and may help others attain a clearer idea of how often and when to repair orbital fractures.

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