

B-M INTERVAL APPROACH - CORONOID PROCESS FRACTURE FIXATION

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Introduction: Fixation of the coronoid fragment is a critical element in the treatment of elbow injuries. However, the usual surgical approach to the elbow are not optimal to expose and fix coronoid fracture¹. We report a case of anteromedial approach for coronoid process fracture fixation by anchor suture method.

Discussion: Achievement of adequate exposure, stable fixation, and minimization of soft-tissue damage are required for successful surgical management of coronoid fractures. The purpose of this case report is to provide an update of a modified and better exposure to the coronoid process. Fei Yang proposed a new brachial artery - median nerve interval (B-M Interval). The exposure of this approach is larger than the traditional biceps tendon – brachial artery interval. The B-M interval does not damage any branch of the anterior neurovascular bundle and avoids a significant soft tissue dissection, which could expose all the essential structures of coronoid process.¹

Conclusion: In conclusion, Anteromedial approach through the Brachial Artery – Median Nerve interval is a good exposure for coronoid process visualization and possibly useful for the reduction and fixation of coronoid fractures..