

Cement Leakage After Augmentation of Intramedullary Cervico-Diaphyseal Nail in a Revision Surgery of a Lateral Hip Fracture

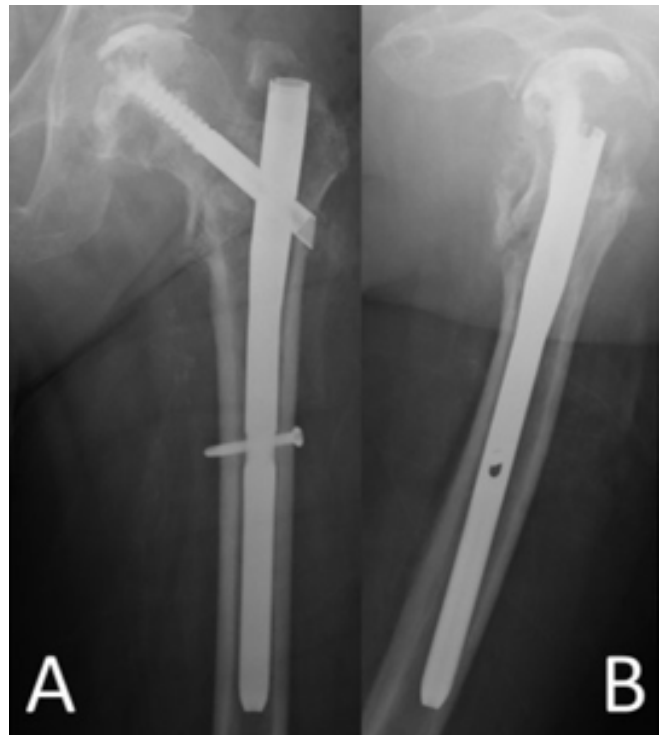
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Purpose: The intra-articular migration of a spiral lamina or screw, of an intramedullary nail (cut-through), is one of the most catastrophic complications in the treatment of pertrochanteric fractures. We present a case of a cut-through, treated with replacement and augmentation of the screw, which was complicated by leakage of cement into the joint.

Methods: An 83-year-old man, who was in the third postoperative month of reduction and osteosynthesis of a lateral hip fracture, presented a cut-through as a complication. A new surgical time was planned, with head screw replacement and augmentation. The presence of intra-articular cement was found in the immediate postoperative period, so a new surgical time and removal of the migrated material was decided.

Results: The patient presented good clinical evolution in the first year of follow-up, without functional limitation or associated pain. In ambulatory radiological controls through this year, no new complications appeared, and the fracture evolved with further consolidation. The bibliographic reports of implant revision and cement augmentation are scarce, and according to our knowledge no complications associated with it are reported.

Conclusion: As far as we know, this is the first case in the literature where a case of cut-through treated with exchange of the screw and augmentation of it evolved into leakage of the cement into the joint.



The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice.