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Complication implant Related Metal on Metal Cervical Disc Replacement – Three Years

Follow Up

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Background: Cervical Disc Arthroplasty (CDA) seems to be an alternative to Anterior Cervical Decompression. The Metal on metal (MOM) Cervical Disc Replacement (CDR) represents a new unconstrained implant with a variable center of rotation which should enable physiological facet-guided movement.

The Cervical Disc MOM represents a new unconstrained implant with a variable centre of rotation which should enable physiological facet-guided movement, in flexion/extension, lateral flexion and uncoupled translation. To increase literature data reported specific of metal on MOM CDR this study was conducted. The aim of this study to evaluate 3 years follow up the implant related-complication of this MOM-CDR

Research question: What kind possibility complication implant-related that possibility happened in our series,

Design and Methods: A retrospective study was conducted in this study. The data was taken from 2019-2021 in our hospital from pts who underwent MOM CDR with N=239.

Results: The result was subsidence 0,16 % (mild), migration 1mm (0,025%), no loss anchorage, no sensitivity of foreign body reaction

Discussion: Among a lot of type CDR, MOM CDR give another option of CDR. The result of implant related complication in 3 years give minimal complication. This complication related to poor bone density in follow up, due to thyroid, poor vitamin D, and diabetic, kidneys related problem

Conclusion: MOM CDR in our series give good result in implant related condition after three years. Investigation preoperative about life style and general health is important.