

Review of: "The theory of early prosthetic loosening — a concise overview"

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Potential competing interests: No potential competing interests to declare.

The concise overview is too concise to give a clear understanding of theory of early loosening. Additions suggested with a great respect to the learned author, in the detailed review may add to the clarity.

Introduction method results and discussion

Figure 1 and figure 2 needs referencing as it is not original to author.

The learned author has postulated through hypothetic deductive analysis that the aseptic loosening of implant starts at the time of surgery or immediately after the surgery. The author has a valid point. This theory is backed by a large volume of available literature, supporting the idea that the process of early loosening of implant may start during or immediately after surgery.

The authors assertion that the wear particles cannot cause initial prosthetic loosening is plausible as supported by the literature but can act as a catalyst at later stage as widely reported in literature. Furthermore, the wear particles are not produced during surgery. Initially some cement particles may be detected but polyethylene wear particles appear late as reported by Willert 1990.

Conclusion need to be more apparent as nothing new has been postulated all evidence and outcome are not new

The paper reiterates what is already reported in the literature so the learned author needs to provide information, justify the different aspects of this theory and its clinical implications and controversies requiring further research.

Note. The reviewer(s) wrote their detailed comments in the PDFs attached in the Supplementary data section of the present review