

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

Guoyin Liu

**Potential competing interests:** No potential competing interests to declare.

The theory of early prosthetic loosening remained incompletely understood, and has not been fully elucidated. This would be an interesting topic, however, some concerns need to be addressed.

1. The exact definition of early prosthetic loosening.
2. The Infection is one of the important influence factors on the early prosthetic loosening
3. the osteoporosis, materials for joint prosthesis, wear effect are also the important influence factors on the early prosthetic loosening
4. Wear particles cannot (contrary to a common conception[21][22][23][24]) initiate prosthetic loosening for several reasons, however, the production of wear particles could exacerbate early prosthetic loosening by affecting periprosthetic cells through inflammation, apoptosis, and immunoreaction.