

Peer Review

Review of: "Kienböck's Disease May Be Due to a Wrist-Joint Tamponade"

Joan Arenas-Prat¹

1. Pulvertaft Hand Centre, Royal Derby Hospital, Derby, United Kingdom

It's an interesting hypothesis to explain the ethyopathology of Kienbock disease, with a clear and logical structure of the text, strong use of evidence, and clinically relevant points (the proposal that early arthrocentesis could prevent osteonecrosis is a practical takeaway for clinicians. It offers a potential intervention that, if validated, could improve patient outcomes).

However, there is a lack of direct experimental evidence – while the hypothesis is well-reasoned and supported by analogy to other conditions, it lacks direct experimental proof and has a limited discussion of alternative theories. The article focuses heavily on the wrist-joint tamponade extraosseous hypothesis and does not mention the also interesting possibility of increased intraosseous pressure (secondary to bone edema caused by trauma) that could block the arterial flow into the lunate and lead to avascular necrosis (intraosseous hypothesis), which in my experience would be more plausible.

Declarations

Potential competing interests: No potential competing interests to declare.