

PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 49248

Title: Pseudotumor Recurrence in a Post-Revision Total Hip Arthroplasty with Stem Neck Modularity: A Case Report

Reviewer's code: 02691156

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor

Reviewer's country: Greece

Science editor: Jia-Ping Yan

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Review time: 4 Days and 2 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The title is referring directly to the problem at hand. The abstract is sufficient

Introduction is adequate and explanatory. [...] Proximal stem-neck modularity includes a junction that can have a double taper subjective to both axial and bending stresses. [...] You present a case of post-revision pseudotumor recurrence in a THA with a modular femoral component. Case Report: is referred to "A 74-year-old man with left hip swelling and elevated serum metal ions five years after implantation of a modular stem-neck prosthesis. The swelling was diagnosed as pseudotumor and was treated with revision arthroplasty that completely resolved the initial hip swelling. The patient presented with recurrent hip swelling and recurrent pseudotumor findings on imaging in the same hip four months later. Non-operative management with ultrasound-guided hip aspiration resulted in symptom relief and resolution of the recurrent swelling. After one year of follow-up, the patient had no further recurrences of hip swelling." Treatment [...] the patient operated for with revision arthroplasty. [...].The patient presented again four months post-revision with a two-week history of recurrent left hip swelling. [...]. An ultrasound-guided hip aspiration provided symptomatic relief and resolution of hip swelling. Outcome and follow-up At clinical follow-up 18-months post-revision there were no radiographic signs of implant loosening and the patient reported no further episodes of hip swelling with satisfactory return to baseline mobility. Discussion You discuss extensively the possible complication of prosthetic modularity because of additional junctions such as fracture, corrosion, fretting, dissociation, and cold-welding. Pseudotumor is a term historically associated with metal-on-metal arthroplasty implants. Literature has adapted new terms such as asymptomatic lymphocytic vasculitis-associated lesions (ALVAL) based on histological findings and the more encompassing term adverse local tissue reaction (ALTR). A recent systematic review of pseudotumors suggested an incidence ranging from 1% up to 6% of all hip THAs. The uniqueness of this case report is highlighted by the post-revision ALTR recurrence. You Conclude that "This case highlights a post-revision pseudotumor recurrence in a

modular femoral stem total hip arthroplasty not utilizing metal-on-metal prostheses.”
References: 14 papers are included in order to support the authors’ views, but papers 5 and 12 are exactly the same. Illustrations: 5 figures are included. Limitations: Short follow up of the case. Cases of pseudotumor should be thoroughly investigated and for his management AAKHS, AAOS and the American Hip Society proposed a consensus statement. Such rare cases should be presented in order the medical community enrich his knowledge for the benefit of the patients.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No