Reviewer's report

Title: Comparison and Prediction of Pullout Strength of Conical and Cylindrical Pedicle Screws within Synthetic Bone

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Reviewer: pat W hitchon

Reviewer's report:

This is a good study on screw pullout in synthetic bone comparing 6 varieties of screws.

Critique:
1. The authors use $l$ for length of screw engagement which they state is 30 mm for all screws. In Table 2 they use 1/4 $L$, 1/2$L$, and 3/4 $L$. Do they mean 7.5 mm, 15 mm, and 22.5 mm of engagement? If so use actual mm.

2. They state that the synthetic bone in ABCD is squeezed into region CDE. Can you explain and illustrate this better. Figure 3 does not do this process justice I do not think

3. Is the pilot hole always 30 mm?

4. I think the authors should plan on confirming their results eventually in cadaveric bone

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I have no competing interests