Title: Influence of lower limb rotation on hindfoot alignment using a conventional two-dimensional radiographic technique

Author: L. Baverel J. Brilhault G. Odri M.Boissard F. Lintz

PII: S1268-7731(16)00019-9
DOI: http://dx.doi.org/doi:10.1016/j.fas.2016.02.003
Reference: FAS 897

To appear in: *Foot and Ankle Surgery*

Received date: 9-9-2015
Revised date: 17-1-2016
Accepted date: 5-2-2016

Please cite this article as: Baverel L, Brilhault J, Odri G, Lintz F, Influence of lower limb rotation on hindfoot alignment using a conventional two-dimensional radiographic technique., *Foot and Ankle Surgery* (2016), http://dx.doi.org/10.1016/j.fas.2016.02.003

Highlights for the Manuscript entitled:

"Influence of lower limb rotation on hindfoot alignment using a standard 2 dimensional radiographic technique."

- We use a 3D model to predict hindfoot alignement variation with lower limb rotation.
- We compare these predictions with actual measurements on a cadaver leg.
- We show that reality agrees with the 3D model.
- Hindfoot deformity value is highest when foot rotation is 0°.
- Hindfoot deformity value decreases when foot rotates away from 0°.
- Incorrect positionning underestimates hindfoot deformities in 2D methods.