

Name of Journal: *World Journal of Orthopedics*

ESPS Manuscript NO: 21536

Manuscript Type: Systematic Reviews

Allograft tissue irradiation and failure rate after anterior cruciate ligament reconstruction: A systematic review

Biostatistics: This study is a systematic review and for this reason, a biomedical statistician did not review this manuscript.

Correspondence to:

Xinning Li, MD

Boston University School of Medicine - Boston Medical Center

Department of Orthopaedic Surgery

850 Harrison Avenue - Dowling 2 North

Boston, MA 02118

Cell: (508) 816-3939

xinning.li@gmail.com

 *mo.*

Windows RFP 1/11/2016 4:33 PM

Comment [1]: Any manuscript describing a study (basic research and clinical research) that used biostatistics must include a statement in the Materials and Methods section affirming that the statistical review of the study was performed by a biomedical statistician. Statistical review is performed before the submission or after peer-review. The author invites an expert in Biomedical Statistics to evaluate the statistical method(s) used in the study, including but not limited to the *t*-test (group or paired comparisons), chi-square test, ridit, probit, logit and regression (linear, curvilinear, or stepwise) modeling, correlation, analysis of variance, and analysis of covariance. The review by the biomedical statistician is conducted with respect to the following points: (1) Statistical methods are adequately and appropriately described when they are used to verify the results; (2) Whether the statistical techniques are suitable or correct; (3) Only homogeneous data can be averaged. Standard deviations are preferred to standard errors. The number of observations and subjects (*n*) is given. Losses in observations, such as drop-outs from the study, are reported; (4) Values, such as ED₅₀, LD₅₀ and IC₅₀, have the 95% confidence limits calculated and have been compared by weighted probit modeling (using the functions described by Bliss and Finney); and (5) The word "significantly" is replaced by its synonyms (if it indicates extent) or the *P* value (if it indicates statistical significance). In addition, a copy of any approval document(s)/letter(s) or waiver should be provided to the BPC in PDF format.