

Examination of inflammatory markers associated with Total Knee Replacement surgery, and the association with coagulopathies.

Level II:

Experimenta

I This study

aims to:

- a. Examine specific inflammatory markers and define the association with coagulopathies in patients undergoing elective total Knee Arthroplasty.
- b. Delineate the specific progression of the inflammatory and coagulopathic response and correlations with post-operative recovery.

We hypothesis that the surgical intervention in TKR will result in a cytokine cascade accompanied by changes in the patients clotting profile; particularly intra-operatively. This research would allow us to better predict patients at increased risk of coagulopathy with regards to elective Orthopaedic Joint Replacement surgery but is primarily baseline research for future investigations.