

# EVERY MINUTE COUNTS



In a review of 20,000 joint arthroplasties it was found:  
For every 20 minutes of operative time, the risk of  
1 year Prosthetic Joint Infection (PJI) increased by 25%<sup>1</sup>

- Parvizi et al demonstrated that operative times over 90 minutes result in a two-fold increase in Surgical Site Infection (SSI) vs. operations that took 60 minutes.<sup>1</sup>
- Stearns et al determined that operative times less than 80 minutes resulted in significantly fewer complications in Total Knee Arthroplasty (TKA)<sup>2</sup>
- Della Valle et al found prolonged operative times over 15 minutes resulted in higher rates of: transfusion, wound dehiscence, renal insufficiency, sepsis, surgical site infection (SSI), urinary tract infection (UTI), readmissions, and length of stay (LOS)<sup>3</sup>
- Gerlinger et al found that readmissions, reoperations, surgical site infections, and wound complications all rise with longer operative times.<sup>4</sup>

## AVITUS® TOTAL JOINT DEBRIDEMENT SUCTION POWERED CURETTAGE

- + Save time vs. conventional debridement<sup>6,7,8</sup>
- + Contain tissue for culture in closed-capture system<sup>TM 6,7,8</sup>
- + Minimize risk of leave-behind contaminated tissue<sup>6,7,8</sup>
- + Minimize tissue seeding risk<sup>6,7,8</sup>
- + Get deep endosteal specimen<sup>6,7,8</sup>
- + Hard-to-clog design

+ Connect to standard OR suction

## Avitus® Debridement Applications:

- Total joint revisions
- Prosthetic joint infection
- Any need to evacuate femoral/tibial/humeral canals
- Need for deep endosteal and intramedullary specimen
- Osteolytic cyst debridement

+ Closed capture system to contain contaminated tissue (e.g. biofilm, pseudomembrane)  
+ Easy specimen retrieval to send to culture

+ Contaminated tissue exits the debridement site inside shaft without contacting other tissue surfaces

+ Hard-to-clog design  
+ Aspirate contaminated tissue simultaneously while cutting  
+ Sharp cutting blade every use to scrape canal and end faces

### References:

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4. Cregar, William M., J Brett Goodloe, Yining Lu, and Tad L. Gerlinger. 2021. "Increased Operative Time Impacts Rates of Short-Term Complications After Unicompartmental Knee Arthroplasty." *The Journal of Arthroplasty* 36 (2): 488-94. <https://doi.org/10.1016/j.arth.2020.08.032>.
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