EVERY MINUTE COUNTS



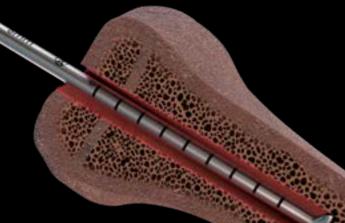
In a review of 20,000 joint arthroplasties it was found:

For every 20 minutes of operative time, the risk of 1 year Prosthetic Joint Infection (PJI) increased by 25%¹

- 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.¹
- Stearns et al determined that operative times less than 80 minutes resulted in significantly fewer complications in Total Knee Arthroplasty (TKA)²
- 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)³
- Gerlinger et al found that readmissions, reoperations, surgical site infections, and wound complications all rise with longer operative times.⁴

AVITUS® TOTAL JOINT DEBRIDEMENTSUCTION POWERED CURETTAGE

- + Save time vs. conventional debridement^{6,7,8}
- + Contain tissue for culture in closed-capture system^{TM 6,7,8}
- + Minimize risk of leave-behind contaminated tissue 6,7,8
- + Minimize tissue seeding risk ^{6,7,8}
- + Get deep endosteal specimen ^{6,7,8}
- + 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

- 1. Wang, Qiaojie, et al. "Longer Operative Time Results in a Higher Rate of Subsequent Periprosthetic Joint Infection in Patients Undergoing Primary Joint Arthroplasty." The Journal of Arthroplasty, vol. 34, no. 5, 2019, pp. 947–953., https://doi.org/10.1016/j.arth.2019.01.027.

 2. George, Jaiben, Bilal Mahmood, Assem A. Sultan, Nipun Sodhi, Michael A. Mont, Carlos A. Higuera, and Kim L. Stearns. 2018. "How Fast Should a Total Knee Arthroplasty Be Performed? An Analysis of 140,199 Surgeries." The Journal of Arthroplasty 33 (8): 2616–22. https://doi.org/10.1016/j.arth.2018.03.012.
- 2. Decoye, Jauben, Unian Manimotor, Assent A. Sontan, Hippin South, Michael A. Monty, Carlos A. Filiguera, and Kim L. Stearns. 2016. 1004 Past Should a lotar Kine Arthropiasty 35 (4): 2016-22. Honor Arthropiasty 35 (5): 2016-22. Honor Arthropiasty 35 (5): 2016-22. Honor Arthropiasty 35 (6): 2016-22. Honor Arthropiasty 35 (6): 2016-22. Honor Arthropiasty 36 (7): 2256-226. Honor Arthro
- https://journaloei.scholasticahq.com/article/31769
- 6. Dr. Periera Presents: Avitus® Prosthetic Joint Infection Debridement [Video]. (2022, October 30). Youtube.com. https://youtu.be/_Mk4CLa0juc
- 7. Dr. Knesek Presents Avitus® Total Joint Debridement Applications [Video]. (2022, April 22) Youtube.com. https://youtu.be/Fx8GbfzxYj4
- 8. Godoy, G., MD (2023). Mycobacterial Complicated Distal Femoral Osteomyelitis treated with aggressive radical debridement utilizing Avitus® suction curettage and distal femoral replacement A Case Study. Avitus® Orthopaedics. [Link Here]