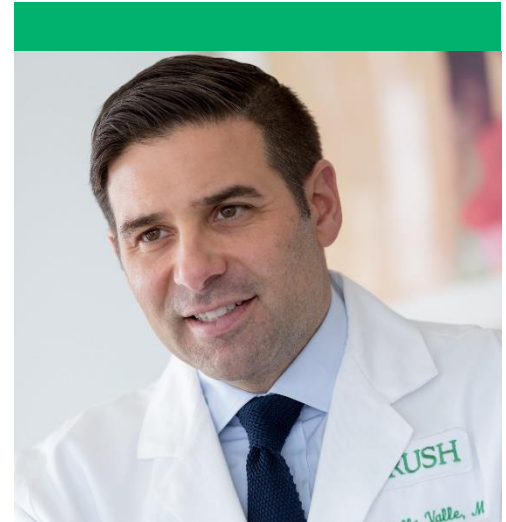




## Craig J. Della Valle, MD

The Aaron G. Rosenberg, MD, Professor of Orthopedic Surgery



### Advancement of Medicine

In 2025, we continued to engage in numerous clinical research activities. We are working on approximately 40 research projects, engaging our junior faculty, fellows, residents and medical students to work with us on these endeavors. Amongst these, we are leading two long-term, randomized, multi-center, controlled trials that include several other hospitals in the United States. One of these studies was recently presented at the American Academy of Orthopaedic Surgeons and won an extremely prestigious award from The Hip Society. We are partnering with other centers on an additional multi-center trial for which we are enrolling patients as well as four more randomized controlled studies being carried out at Rush with our partners.

### Research

We could not work on our multiple research activities without the support associated with my endowed faculty position. The Rosenberg endowment has enabled us to hire staff members who provide critical assistance in planning studies, obtaining patient consent, collecting and analyzing data, and preparing manuscripts for publication. We would certainly not be as productive without this funding!

### Clinical Trials

As mentioned, we are leading two randomized controlled trials involving other hospitals. These are the most impactful studies (as evidenced by the research award given to our most recently completed randomized trial), yet the most challenging to carry out.

Other clinical work includes an additional multi-center trial and five other randomized controlled trials being completed solely at Rush; three of those engage our newest adult reconstructive



surgeons as the primary investigators, with our team lending our experience and staffing — all supported by this generous endowment.

## Awards

Our efforts led to dozens of research presentations at both national and regional meetings and yielded 13 peer reviewed publications. In 2025, we were recognized with four research awards, including:

- 2025 American Academy of Orthopaedic Surgeons Best Paper Award Adult Hip Reconstruction: *"Closed Incision Negative Pressure-Therapy Does Not Decrease Wound Complications following Revision Total Hip Arthroplasty: A Randomized Controlled Trial"*. This award is the culmination of six years of work randomizing patients to one of two dressing regimens.
- 2025 Mid-America Orthopaedic Association Carl T. Nelson, M.D. Physician in Training Award: *Repeat Use of a Mesh-Glue Dressing is Associated with Allergic Contact Dermatitis: A Prospective Study*. This award recognized a compelling prospective study that was led by one of our resident trainees.
- 2025 AAHKS Best Poster Award, Primary Knee: *A Randomized Controlled Trial of Unicompartamental and Total Knee Arthroplasty at 5 Years*. This award recognized a randomized controlled study that we have been working on for approximately seven years including enrolling patients into this study and then following them for just under five years on average.
- 2025 CCJR Sculco Award for Top Poster: *Repeat Exposure to Silver Ion Impregnated Dressing Does Not Increase Risk of Allergic Contact Dermatitis: A Prospective Cohort Study*. This was an interesting prospective follow up study related to the study listed above.

## Publications — Abbreviated

- Forlenza EM, Terhune EB, Acuna AJ, Gerlinger TL, Levine BR, Della Valle CJ. "Intraoperative Femoral Fractures During Primary Total Hip Arthroplasty are Associated with Increased Revision and Complication Rates". *J Arthroplasty*. January 2025

- Jones CM, Acuña AJ, Jan K, Forlenza EM, **Della Valle CJ**. Trends and Epidemiology in Revision Total Hip Arthroplasty: A Large Database Study. *Journal of Arthroplasty*. Accepted January 2025.
- Higgins JDD, Kurina SJ, DeBenedetti A, Hannon CP, **Della Valle CJ**. *Do Outcomes Differ After Medial Unicompartmental Knee Arthroplasty Based on Indications? A Prospective Cohort Study*. *J Arthroplasty*. 2025 May
- Jones CM, Potluri A, Acuña AJ, Federico V, Nie J, Forlenza EM, Serino J, **Della Valle CJ**. Trends in Medicare Arthroplasty Procedure Volume: Projecting from 2025 to 2040. *Journal of Arthroplasty*. Accepted May 2025.
- Forlenza EM, Jones CM, Spaan J, Levine BR, Karas V, **Della Valle CJ**. “Travel Distance Does Not Impact Outcomes Following Unicompartmental Knee Arthroplasty”. *J Arthroplasty*. May 2025
- JForlenza EM, Burnett RA, Acuna AJ, Turkmani A, Gerlinger TL, Levine BR, **Della Valle CJ**. “Lower Complication and Revision Rates Among Patients Who Undergo Unicompartmental Knee Arthroplasty Performed by Adult Reconstruction-Trained Surgeons”. *J Arthroplasty*. August 2025
- Acuña AJ, Potluri AS, Yadav A, Forlenza EM, Alfonsi S, **Della Valle CJ**. Patients Who Have a Large Preoperative Flexion Contracture Demonstrate Inferior Outcomes Following Unicompartmental Knee Arthroplasty Compared to Total Knee Arthroplasty. *The Journal of Arthroplasty*. December 2025.

### Presentations — Highlights

- Acuña AJ, Potluri AS, Yadav AS, Alfonsi S, Forlenza EM, **Della Valle CJ**. *Revision TJA at the Ambulatory Surgery Center: Comparable Outcomes to Inpatient Procedures*. The American Academy of Hip and Knee Surgeons. 2025. Podium.
- Potluri AS, Yadav AS, Yang J, DeBenedetti A, Nam D, **Della Valle CJ**. *Duloxetine Does Not Reduce Opioid Use Following Total Knee Arthroplasty: A Randomized Trial*. The 2025 American Academy of Hip and Knee Surgeons. Grapevine, TX. October 2025. Podium.



- Potluri AS, Yadav AS, Weintraub MT, DeBenedetti A, **Della Valle CJ**, Schwarzkopf R, Courtney PM, Heckmann ND, Nam D. *Dual-Mobility Femoral Heads in Patients at High Risk for Dislocation: A Randomized Controlled Trial*. *Dual-Mobility Femoral Heads in Patients at High Risk for Dislocation: A Randomized Controlled Trial*. The 2025 American Academy of Hip and Knee Surgeons. Grapevine, TX. October 2025. Podium.
- Yadav AS, Potluri AS, Forlenza EM, Alfonsi S, Acuna AJ, Schulte S, **Della Valle CJ**. *Periprosthetic Joint Infection in Unicompartmental Knee Arthroplasty: Debridement, Antibiotics, and Implant Retention or Revision to Total Knee Arthroplasty?* The 2025 American Academy of Hip and Knee Surgeons. Grapevine, TX. October 2025. Poster.
- Sershon, RA, DeBenedetti A, Fricka KB, Hamilton WG, Parks NL, Azer F, Potluri AS, Nam D, **Della Valle CJ**. *Comparative Survivorship and Patient Satisfaction at Five Years in Partial vs Total Knee Arthroplasty: A Randomized Controlled Trial*. The 2025 American Academy of Hip and Knee Surgeons. Grapevine, TX. October 2025. Poster.
- Jones CM, Burnett RA, Atkins M, Turkmani A, Potluri AS, Yadav AS, Shalakhti O, Sporer SM, Gerlinger TL, **Della Valle CJ**. *Repeat Exposure to Silver Ion Impregnated Dressing Does Not Increase Risk of Allergic Contact Dermatitis: A Prospective Cohort Study*. The 2025 American Academy of Hip and Knee Surgeons. Grapevine, TX. October 2025. Poster.

## The Year Ahead: 2026 and Beyond

In the year ahead, we will continue to work on our clinical research projects with a specific focus on the randomized controlled trials with the most clinical impact. We are also working hard to engage our junior faculty, who will continue our research efforts for decades to come.

## With Gratitude

I genuinely thank you for your support. These generous funds allow us artistic freedom in choosing the topics we feel are of the most interest to study, without relying on industry funding. This is an enormous advantage. Further, we could not be nearly as productive as we are without the staff supported by your funding.