



## Mitchell R. Klement, M.D.

### EDUCATION/TRAINING

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- 2017-2018      **Adult Reconstruction Fellowship**  
Rothman Institute at Thomas Jefferson University  
Philadelphia, PA
- 2012-2017      **Orthopedic Surgery Resident**  
Duke University Medical Center  
Durham, NC
- 2008-2012      **Doctor of Medicine**  
Georgetown University School of Medicine  
Washington, DC
- 2004-2008      **Bachelor of Science, Physiological Sciences - Honors**  
Marquette University  
Milwaukee, WI

### CERTIFICATION/LICENSURE

- State of Wisconsin - Active  
American Board of Orthopaedic Surgery – Part 1

### HONORS & AWARDS

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- 2018              “Top 25 Poster” 28th Annual Open Scientific Meeting of the Musculoskeletal Infection Society, Philadelphia, PA
- 2017              James A. Rand Young Investigator Award, American Association of Hip and Knee Surgeons, Dallas, TX
- 2017              Richard S. Laskin MD, Research Award, Holiday Hip and Knee Meeting, New York, NY
- 2017              “Top 10 Abstract” Award. 27th Annual Open Scientific Meeting of the Musculoskeletal Infection Society
- 2017              John M. Harrelson Chief Teaching Award, Duke University Medical Center, Durham, NC
- 2017              Annual Award for Excellence in Orthopaedic Research, Duke University Medical Center, Durham, NC
- 2016              Annual Award for Excellence in Orthopaedic Research, Duke University Medical Center, Durham, NC
- 2015              American Orthopedic Association (AOA) – Resident Leadership Forum nomination, Seattle, WA
- 2015              Best Poster Award - Primary Knee, American Association of Hip and Knee Surgeons, Dallas, TX
- 2015              First Place Overall Paper, North Carolina Orthopedic Association, Kiawah Island, SC
- 2015              Resident Research Award, North Carolina Society for the Hand Meeting, Kiawah, SC
- 2015              Harley and Betty Baxter Resident Award, Southern Orthopedic Association, Asheville, NC
- 2015              First Place Poster Award, Southern Orthopedic Association, Asheville, NC

2015	William S. Ogden, Jr. Resident Award, Duke University Medical Center, Durham, NC
2011	Alpha Omega Alpha, Georgetown University School of Medicine, Washington, DC
2010	American College of Rheumatology REF/ Abbott Medical Student Clinical Preceptorship Award, Milwaukee, WI
2004-2008	Dean's List, Marquette University, Milwaukee, WI
2004-2008	Ignatius Scholarship Recipient for Academic Excellence, Marquette University, Milwaukee, WI.

## PUBLICATIONS

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Lonner JH, Klement M.R., Robotic-assisted Medial Unicompartmental Knee Arthroplasty: Options and Outcomes. The Journal of the American Academy of Orthopaedic Surgeons. 2018.

Klement M.R., Wilkens HS, Fillingham YA, Manrique J, Austin MS, Parvizi J. Intraoperative Dexamethasone Reduces Readmission Rates Without Effecting Risk of Thromboembolic Events or Infection After Total Joint Arthroplasty. The Journal of Arthroplasty. 2018.

Nickel BT, Klement M.R., Penrose C, Green CL, Bolognesi MP, Seyler TM. Dislocation rate increases with bariatric surgery before total hip arthroplasty. Hip international : the journal of clinical and experimental research on hip pathology and therapy. 2018

Nickel BT, Klement M.R., Byrd WA, Attarian DE, Seyler TM, Wellman SS. The James A. Rand Young Investigator's Award: Battling the Opioid Epidemic with Prospective Pain Threshold Measurement. The Journal of arthroplasty. 2018.

Klement M.R., Siddiqi A, Rock JM, Seyler TM, Parvizi J, Chen AF. Are All Periprosthetic Joint Infections the Same? Evaluating Major vs Minor Criteria. The Journal of arthroplasty. 2018;33: 1515-19.

Klement M.R., Nickel BT, Bala A, Penrose CT, Green CL, Wellman SS, et al. Dual Diagnosis and Total Hip Arthroplasty. Orthopedics. 2018: 1-7.

Baumgartner BT, Karas V, Kildow BJ, Cunningham DJ, Klement M.R., Green CL, et al. Inpatient Consults and Complications During Primary Total Joint Arthroplasty in a Bundled Care Model. The Journal of arthroplasty. 2018;33: 973-75.

Wellman SS, Klement M.R., Queen RM. Performance Comparison of Single-Radius Versus Multiple-Curve Femoral Component in Total Knee Arthroplasty: A Prospective, Randomized Study Using the Lower Quarter Y-Balance Test. Orthopedics 40(6): e1074, 2017

Siparsky PN, Bailey JR, Dale KM, Klement M.R., Taylor DC. Open Reduction Internal Fixation of Isolated Chondral Fragments Without Osseous Attachment in the Knee: A Case Series. Orthopaedic journal of sports medicine 5(3): 2325967117696281, 2017

Klement M.R., Siddiqi A, Rock JM, Chen AF, Bolognesi MP, Seyler TM. Positive Blood Cultures in Periprosthetic Joint Infection Decrease Rate of Treatment Success. The Journal of arthroplasty, 2017

Klement M.R., Peres-Da-Silva A, Nickel BT, Green CL, Wellman SS, Attarian DE, Bolognesi MP, Seyler TM. What Should Define Preoperative Anemia in Primary THA? Clinical orthopaedics and related research, 2017

Klement M.R., Penrose CT, Bala A, Green CL, Mather RC, 3rd, Wellman SS, Bolognesi MP, Seyler TM. Complications of total hip arthroplasty following solid organ transplantation. Journal of orthopaedic science : official journal of the Japanese Orthopaedic Association 22(2): 295, 2017

Klement M.R., Hubbard EW, Wellman SS, Lachiewicz PF. Acute Intraprosthetic Dissociation of a Dual-Mobility Hip in the United States. American journal of orthopedics (Belle Mead, NJ) 46(3): E154, 2017

Blizzard DJ, Sheets CZ, Seyler TM, Penrose CT, Klement M.R., Gallizzi MA, Brown CR. The Impact of Lumbar Spine Disease and Deformity on Total Hip Arthroplasty Outcomes. Orthopedics 40(3): e520, 2017

Blizzard DJ, Caputo AM, Sheets CZ, Klement M.R., Michael KW, Isaacs RE, Brown CR. Laminoplasty versus laminectomy with fusion for the treatment of spondylotic cervical myelopathy: short-term follow-up. European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society 26(1): 85, 2017

Nickel BT, Klement M.R., Richard MJ, Zura R, Garrigues GE. Closing the gap: a novel technique for humeral shaft nonunions using cup and cone reamers. Injury 47 Suppl 7: S40, 2016

Nickel BT, [Klement M.R.](#), Penrose CT, Green CL, Seyler TM, Bolognesi MP. Lingering Risk: Bariatric Surgery Before Total Knee Arthroplasty. *The Journal of arthroplasty* 31(9 Suppl): 207, 2016

[Klement M.R.](#), Penrose CT, Bala A, Wellman SS, Bolognesi MP, Seyler TM. How Do Previous Solid Organ Transplant Recipients Fare After Primary Total Knee Arthroplasty? *The Journal of arthroplasty* 31(3): 609, 2016

[Klement M.R.](#), Nickel BT, Penrose CT, Bala A, Green CL, Wellman SS, Bolognesi MP, Seyler TM. Psychiatric disorders increase complication rate after primary total knee arthroplasty. *The Knee* 23(5): 883, 2016

[Klement M.R.](#), Nickel BT, Bala A, Penrose CT, Zura RD, Garrigues GE. Glenohumeral arthritis as a risk factor for proximal humerus nonunion. *Injury* 47 Suppl 7: S36, 2016

[Klement M.R.](#), Kleeman LT, Blizzard DJ, Gallizzi MA, Eure M, Brown CR. C5 palsy after cervical laminectomy and fusion: does width of laminectomy matter? *The spine journal : official journal of the North American Spine Society* 16(4): 462, 2016

[Klement M.R.](#), Bala A, Blizzard DJ, Wellman SS, Bolognesi MP, Seyler TM. Should We Think Twice About Psychiatric Disease in Total Hip Arthroplasty? *The Journal of arthroplasty* 31(9 Suppl): 221, 2016

Blizzard DJ, [Klement M.R.](#), Penrose CT, Sheets CZ, Bolognesi MP, Seyler TM. Cervical Myelopathy Doubles the Rate of Dislocation and Fracture After Total Hip Arthroplasty. *The Journal of arthroplasty* 31(9 Suppl): 242, 2016

Mook WR, [Klement M.R.](#), Green CL, Hazen KC, Garrigues GE. The Incidence of Propionibacterium acnes in Open Shoulder Surgery: A Controlled Diagnostic Study. *The Journal of bone and joint surgery American volume* 97(12): 957, 2015

Blizzard DJ, Gallizzi MA, Sheets C, [Klement MR](#), Kleeman LT, Caputo AM, Eure M, Brown CR. The role of iatrogenic foraminal stenosis from lordotic correction in the development of C5 palsy after posterior laminectomy and fusion. *Journal of orthopaedic surgery and research* 10: 160, 2015

Brown BJ, Iorio ML, [Klement M](#), Conti Mica MR, El-Amraoui A, O'Halloran P, Attinger CE. Outcomes after 294 transtibial amputations with the posterior myocutaneous flap. *The international journal of lower extremity wounds* 13(1): 33, 2014

Brown BJ, Iorio ML, Hill L, [Klement M](#), Conti Mica MR, El-Amraoui A, Attinger CE. Ertl below-knee amputation using a vascularized fibular strut in a nontrauma elderly population: a case series. *Annals of plastic surgery* 73(2): 196, 2014

Ardisson S, Noel KD, [Klement M](#), Broughton WJ, Deakin WJ. Synthesis of the flavonoid-induced lipopolysaccharide of Rhizobium Sp. strain NGR234 requires rhamnosyl transferases encoded by genes rgpF and wbgA. *Molecular plant-microbe interactions : MPMI* 24(12): 1513, 2011

## ORGANIZATIONS

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2016 - Present	American Association of Hip and Knee Surgeons
2016 - Present	American Orthopedic Association Emerging Leaders Program
2012 - Present	American Academy of Orthopedic Surgeons
2008 - Present	American Medical Association

## PODIUM PRESENTATIONS

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### National/International

Austin MS, [Klement M.R.](#), Rondon AJ, McEntee R, Khier M. Web-Based, Self-Directed Physical Therapy After Total Hip Arthroplasty Is Safe And Effective For Most, But Not All, Patients. 2018 Summer Meeting of The Hip Society. October 5, 2018.

Ryan S, DiLallo M, [Klement M.R.](#), Luzzi AJ, Chen AF, Seyler TM. Transfemoral Amputation Following Total Knee Arthroplasty: Mortality and Functional Outcomes. 2018 Members Meeting of the Knee Society. September 22, 2018.

Siddiqi A, [Klement M.R.](#), Karas V, Rock JM, Bolognesi MP, Seyler TM, Parvizi J, Chen AF. Are All Periprosthetic Infections Equal? Effect of major versus minor criteria and patient outcomes. American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA. March 8, 2018.

Nickel BT, [Klement M.R.](#), Byrd WA, Attarian DE, Seyler TM, Wellman SS. Battling the Opioid Epidemic with Preoperative Pain Threshold Measurement. American Association of Hip and Knee Surgeons (AAHKS) annual Meeting Nov 4, 2017

Klement M.R., Siddiqi A, Karas V, Rock JM, Bolognesi MP, Seyler TM, Parvizi J, Chen AF. Are All Periprosthetic Infections Equal? Effect of major versus minor criteria and patient outcomes. Musculoskeletal Infection Society Annual Meeting. Boston, MA. August 4, 2017.

Klement M.R., Peres-Da-Silva A, Nickel BT, Wellman SS, Bolognesi MP, Seyler TM. What Should Define Preoperative Anemia in Primary Total Hip Arthroplasty?. American Academy of Orthopedic Surgeons 2017 Annual Meeting. San Diego, CA. March 17, 2017

Klement M.R., Karas V, Bala A, Wellman SS, Bolognesi MP, Seyler TM. Positive Blood Cultures in Periprosthetic Joint Infection Decrease Eradication Success Rate. American Academy of Orthopedic Surgeons 2017 Annual Meeting. San Diego, CA. March 17, 2017.

Wellman SS, Klement M.R., Queen RM. A Prospective, Randomized Comparison of Mid-Flexion Balance After Total Knee Arthroplasty with Single-Radius and J-Curve Femoral Components. International Society for Technology in Arthroplasty 29th Annual Meeting. Boston, MA. October, 2016.

Bailey J, Siparski P, Klement M.R., Dale K, Taylor DC. Open Reduction Internal Fixation of Isolated Chondral Fragments Without Osseous Attachment in the Knee: A Case Series. Society of Military Orthopedic Surgeons 58th Annual Meeting. Olympic Valley, CA. December, 2016.

Klement M.R., Byrd WA, Bala A, Richardson KB, Bolognesi MP, Garrigues GE. Culture Duration in Periprosthetic Joint Infection: No difference in Microbiology Profile. Musculoskeletal Infection Society 26th Annual Meeting. Charlotte, NC. August 5, 2016.

Klement M.R., Karas V, Bala A, Wellman SS, Bolognesi MP, Seyler TM. Positive Blood Cultures in Periprosthetic Joint Infection Decrease Eradication Success Rate. Musculoskeletal Infection Society 26th Annual Meeting. Charlotte, NC. August 5, 2016.

Bullock W.M., Grant S. A., Klement M.R., Nickel, B.T., Lampley, A., Martin, G., Seyler, T., and Bolognesi, M. Oral Opioids Are Superior to PCA IV Opioids for Ambulation Following Total Knee Arthroplasty as a Component of a Multimodal Analgesic Pathway. American Society of Regional Anesthesia and Pain Medicine Annual Meeting. New Orleans, LA. March 31, 2016.

Bullock W.M., Grant S. A., Klement M.R., Nickel, B.T., Lampley, A., Dooley, J.R., Seyler, T., and Bolognesi, M. Adductor Canal Catheter Improves Ambulation Following Total Knee Arthroplasty Compared to Local Infiltration Analgesia with Liposomal Bupivacaine. American Society of Regional Anesthesia and Pain Medicine Annual Meeting. New Orleans, LA. March 31, 2016.

Klement M.R., Bala A, Penrose CT, Nickel BT, Wellman SS, Bolognesi MP, Seyler TM. Psychiatric Disorders Increase Complication Rate After Primary Total Knee Arthroplasty. American Association of Orthopedic Surgeons 83rd Annual Meeting. Orlando, FL. March, 2016.

Klement M.R., Bala A, Penrose CT, Blizzard DJ, Wellman SS, Bolognesi MP, Seyler TM. Should We Think Twice about Psychiatric Disease in Total Hip Arthroplasty? American Association of Orthopedic Surgeons 83rd Annual Meeting. Orlando, FL. March, 2016.

Nickel BT, Klement M.R., Penrose BS, Green CL, Bala A, Bolognesi MP; Seyler TM. Lingering Risk: Bariatric Surgery Prior to Total Knee Arthroplasty. American Academy of Orthopaedic Surgeons 83rd Annual Meeting. Orlando, Florida March 2016.

Nickel BT, Klement M.R., Penrose BS, Green CL, Bala A, Bolognesi MP; Seyler TM. Total Hip Arthroplasty Risk after Bariatric Surgery. American Academy of Orthopaedic Surgeons 83rd Annual Meeting. Orlando, Florida March 2016.

Blizzard DJ, Penrose CT, Sheets C, Gallizzi MA, Klement M.R., Seyler TM, Bolognesi MP, Brown CR. Ankylosing Spondylitis Increases Peri- and Post-operative Complications After Total Hip Arthroplasty. American Academy of Orthopaedic Surgeons 83rd Annual Meeting. Orlando, Florida March 2016.

Scott EJ, Klement M.R., Brigman BE, Eward WC. Surgical Failure And Disease Progression In A New Era Of Metastatic Skeletal Disease. 18th General International Society of Limb Salvage Meeting / Musculoskeletal Tumor Society Annual Meeting. Orlando, FL. October 10, 2015.

Bolognesi MP, Nickel BT, Klement M.R., Penrose CT, Bala A, Seyler TM. Lingering Risk: Bariatric Surgery Prior To Total Knee Arthroplasty. Members Meeting of The Knee Society. San Francisco, CA. September 11, 2015.

Nickel BT, Klement M.R., Richard M, Zura R, Garrigues GE. Closing the gap: a novel technique for humeral shaft nonunions using cup in cone reamers. Annual Meeting of Küntscher Society – Osteosynthese International 2015. Brussels, Belgium. September 11, 2015.

Klement MR., Nickel, BT, Bala A, Zura R, Garrigues GE. Coexisting glenohumeral arthritis increases proximal humerus fracture nonunion after nonsurgical treatment. Annual Meeting of Küntscher Society – Osteosynthese International 2015. Brussels, Belgium. September 10, 2015.

Mook, WR, Klement M.R., Green, CL, Hazen, KC, Garrigues, GG. Propionibacterium acnes In Shoulder Surgery: False Positive, Commensal Organism, Or Pathogen? American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA. March, 14, 2014.

## **Reigonal**

Nickel BT, Klement M.R., Byrd W, Attarian DE, Bolognesi MP, Seyler TM, Wellman SS. Preoperative Pain Threshold Measurement May Prevent Opiate Overprescription After Arthroplasty. Eastern Orthopedic Association 47th Annual Meeting. New Orleans, LA. October 22, 2016.

Nickel BT, Klement M.R., Penrose BS, Green CL, Bala A, Bolognesi MP; Seyler TM. Total Hip Arthroplasty Risk after Bariatric Surgery. Southern Orthopedic Association 33rd Annual Meeting. Naples, FL. July, 2016.

Klement M.R., Nickel BT, Lampley AJ. Bullock WM. Seyler TM, Grant S, Bolognesi MP. Enhanced Recovery Pathway After TKA: Decreased Length Of Stay, Increased Satisfaction. Eastern Orthopedic Association 47th Annual Meeting. New Orleans, LA. October 22, 2016.

Byrd WA. Klement M.R., Bala A, Richardson KB, Bolognesi MP, Garrigues GE. Culture Duration in Periprosthetic Joint Infection: One Versus Two Weeks. Southern Orthopedic Association 33rd Annual Meeting. Naples, FL. July, 2016.

Nickel BT, Klement M.R., Lampley AJ. Bullock WM. Seyler TM, Grant S, Bolognesi MP. Enhanced Recovery Pathway After TKA: Decreased Length Of Stay, Increased Satisfaction. Southern Orthopedic Association 33rd Annual Meeting. Naples, FL. July 2016.

Klement M.R., Mook, WR, Green, CL, Hazen, KC, Garrigues, GG. The Incidence of Propionibacterium acnes In Open Shoulder Surgery: A controlled diagnostic Study. Southern Orthopedic Association 32nd Annual Meeting, Asheville, NC. July 2015.

Klement M.R., Bala A, Penrose CT, Attarian DA, Mather RC, Wellman SS, Seyler TM, Bolognesi MP. Complications of Total Hip Arthroplasty After Solid Organ Transplantation. Southern Orthopedic Association 32nd Annual Meeting, Asheville, NC. July 2015.

Scott EJ, Klement M.R., Brigman BE, Eward WC. Risk Factors For Disease Progression After Surgical Treatment of Extremity Metastatic Bone Disease. Southern Orthopedic Association 32nd Annual Meeting, Asheville, NC. July 2015.

Klement M.R., Kleeman LT, Blizzard DJ, Gallizzi MA, Eure M, Brown CR. C5 Palsy After Cervical Laminectomy and Fusion: Does Width of Laminectomy Matter? Southern Orthopedic Association 32nd Annual Meeting, Asheville, NC. July 2015.

Scott EJ, Klement M.R., Brigman BE, Eward WC. Risk Factors For Implant Failure and Disease Progression in Surgical Treatment of Extremity Bone Metastases. Eastern Orthopedic Association 46th Annual Meeting, Maui, HI. June 2015.

Blizzard DJ, Gallizzi MA, Sheets C, Eure M, Klement M.R., Kleeman LT, Brown CR. The Role Of Increased Lordotic Correction In Post-Operative C5 Palsy. Eastern Orthopaedic Association 46th Annual Meeting, Maui, HI. June 2015.

Klement M.R., Taylor, DT, Brigman, BE, Eward, WC. Delayed Diagnosis of Osteosarcoma After ACL Reconstrucion: Case Report and Review of the Literature. 16th Annual OREF/ORS Resident Research Symposia – Southeast Regional. Columbia, SC. October 25, 2014.

## **Local**

Nickel BT, Klement M.R., Byrd W, Attarian DE, Bolognesi MP, Seyler TM, Wellman SS. Preoperative Pain Threshold Measurement May Prevent Opiate Overprescription After Arthroplasty. North Carolina Orthopaedic Association Annual Meeting. Pinehurst, NC. October 8, 2016.

Klement M.R., Nickel BT, Lampley AJ. Bullock WM. Seyler TM, Grant S, Bolognesi MP. Adductor Canal Catheter Improves Pain and Mobility After Primary TKA. North Carolina Orthopaedic Association Annual Meeting. Pinehurst, NC. October 8, 2016

Klement M.R., Nickel BT, Lampley AJ. Bullock WM. Seyler TM, Grant S, Bolognesi MP. Does a Comprehensive Enhanced Recovery Protocol Reduce Length of Stay in Primary Total Knee Arthroplasty? North Carolina Orthopaedic Association Annual Meeting. Kiawah Island, SC. October 10, 2015.

Klement M.R., Scott EJ, Brigman BE, Eward WC. Surgical Failure And Disease Progression In A New Era Of Metastatic Skeletal Disease. North Carolina Orthopaedic Association Annual Meeting. Kiawah Island, SC. October 10, 2015.

Nickel BT, Klement M.R., Richard M, Garrigues GE. Humeral Shaft Nonunion: A New Surgical Technique Using Cup and Cone Reamers. North Carolina Orthopaedic Society Annual Meeting. Kiawah Island, SC. October 10, 2015.

Nickel BT, [Klement M.R.](#), Richard M, Garrigues GE. Closing the gap: a novel technique for humeral shaft nonunions using cup in cone reamers. North Carolina Society for Surgery of the Hand. Kiawah Island, SC. October 9, 2015.

[Klement M.R.](#), Kleeman LT, Blizzard DJ, Gallizzi MA, Eure M, Brown CR. C5 Palsy After Cervical Laminectomy and Fusion: Does Width of Laminectomy Matter? Piedmont Orthopedic Society 62nd Annual Meeting, Sea Island, GA. May 2015.

[Klement M.R.](#), Resident case presentation: Intraprosthetic Dissociation of Dual Mobility Hip Prosthesis. Seventh Annual Emily Berand Adult Reconstructon Symposium. Durham, North Carolina. April, 11 2015.

[Klement, M.R.](#), Taylor, DT, Brigman, BE, Eward, WC. Delayed Diagnosis of Osteosarcoma After ACL Reconstructon: Case Report and Review of the Literature. North Carolina Orthopedic Association 2014 Annual Meeting. Asheville, NC. November 2, 2014

[Klement M.R.](#). Resident case presentation: Malrotated femoral component as a source of persistent pain after total knee replacement. Sixth Annual Emily Berand Adult Reconstructon Symposium. Durham, North Carolina. April, 24 2013.

## **Grand Rounds**

[Klement M.R.](#), Treatment of Early Onset Scoliosis. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. March 16, 2016.

[Klement M.R.](#), Congenital Vertical Talus. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. December 8, 2015.

[Klement M.R.](#), Giant Cell Tumor of Bone. Duke Univeristy University Medical Center Grand Rounds. Durhnam, NC. December 10, 2014.

[Klement M.R.](#), Nonossifying Fibroma. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. October 15, 2014.

[Klement M.R.](#), Adult Aquired Flatfoot Deformity: Management of Stage II. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. September 24, 2014.

[Klement M.R.](#), Cruciate Ligaments in Total Knee Arthroplasty. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. July 15, 2014.

[Klement M.R.](#), Cervical Radiculopathy. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. March 19, 2014.

[Klement M.R.](#), Gap Balanced Versus Measured Resection in Total Knee Arthropasty. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. January 22, 2014.

[Klement M.R.](#), Acute Achilles Tenon Ruptures. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. November 12, 2013.

[Klement M.R.](#), Radiation Associated Pathologic Fractures. Duke Univeristy University Medical Center Grand Rounds. Durham, NC. August 20, 2013.

## **POSTER PRESENTATIONS**

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### **National**

[Klement M.R.](#), Rondon AJ, McEntee R, Kheir M, Austin MS. Web-Based, Self-Directed Physical Therapy After Total Hip Arthroplasty Is Safe And Effective For Most, But Not All, Patients. American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 1-4, 2018.

[Klement M.R.](#), Rondon AJ, McEntee R, Greenky M, Austin MS. Web-Based, Self-Directed Physical Therapy After Total Knee Arthroplasty Is Safe And Effective For Most, But Not All, Patients. American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 1-4, 2018.

Ryan S, DiLallo M, [Klement M.R.](#), Luzzi AJ, Chen AF, Seyler TM. Transfemoral Amputation Following Total Knee Arthroplasty: Mortality and Functional Outcomes. American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 1-4, 2018.

Bullock WM, Grant SA, [Klement M.R.](#), Nickel BT, Lampley AJ, Dooley J, Seyler TM, Bolognesi MP. Adductor Canal Catheter Improves Ambulation Following Total Knee Arthroplasty Compared to Local Infiltration Analgesia with Liposomal Bupivacaine. American Society of Anesthesiologists Annual Meeting. Chicago, IL. October 23, 2016.

Bullock WM, Grant SA, Klement M.R., Nickel BT, Lampley AJ, Martin G, Seyler T, Bolognesi MP. Oral Opioids are Superior to PCA IV Opioids for Ambulation Following Total Knee Arthroplasty As a Component of a Multimodal Analgesic Pathway. American Society of Anesthesiologists Annual Meeting, Chicago, IL. October 23, 2016.

Bullock WM, Klement M.R., Nickel BT, Lampley AJ, Bolognesi MP, Grant S. Adductor canal block reduces length of stay after knee arthroplasty compared to liposomal bupivacaine in knee arthroplasty. American Society of Anesthesiologist Annual Meeting. San Diego, CA. October, 2015.

Klement M.R., Bala A, Penrose CT, Nickel BT, Blizzard DJ, Bolognesi MP, Seyler TM. What is the role of "Dual Diagnosis" in Primary Total Knee Arthroplasty? American Association of Orthopedic Surgeons 83rd Annual Meeting. Orlando, FL. March 1-5, 2016.

Klement M.R., Penrose CT, Bala A, Wellman SS, Bolognesi MP, Seyler TM. How Do Previous Solid Organ Transplant Recipients Fare after Primary Total Knee Arthroplasty? American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 6-8, 2015.

Klement M.R., Bala A, Penrose CT, Nickel BT, Blizzard DJ, Bolognesi MP, Seyler TM. What is the role of "Dual Diagnosis" in Primary Total Knee Arthroplasty? American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 6-8, 2015.

Klement M.R., Bala A, Penrose CT, Blizzard DJ, Wellman SS, Bolognesi MP, Seyler TM. Should We Think Twice about Psychiatric Disease in Total Hip Arthroplasty? American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 6-8, 2015.

Klement M.R., Blizzard DJ, Penrose CT, Sheets C, Seyler TM, Gallizzi MA, Bolognesi MP, Isaacs RE, Brown CR. Cervical Myelopathy Doubles the Rate of Dislocation and Fracture After Total Hip Arthroplasty (THA). Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 6-8, 2015.

Klement M.R., Penrose CT, Bala A, Attarian DE, Mather RC, Wellman SS, Bolognesi MP, Seyler TM. "Dual Diagnosis" Triples Rates of Periprosthetic Infection and Revision after Primary Total Hip Arthroplasty. American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 6-8, 2015.

Nickel BT, Klement M.R., Bolognesi MP, Penrose BS, Green CL, Bala A, Seyler TM. Lingering Risk: Bariatric Surgery Prior to Total Knee Arthroplasty. Poster Accepted at the American Association of Hip and Knee Surgeons Annual Meeting. Dallas, TX. November 6-8, 2015. **Primary Knee Poster Award**

Kleeman LT, Klement M.R., Blizzard DJ, Gallizzi MA, Eure M, Brown CR. C5 palsy after cervical laminectomy and fusion: does width of laminectomy matter? ePoster Presentation at North American Spine Society Annual Meeting. Chicago, IL. October 14-17, 2015.

Improving Patient Selection for Limb Salvage vs. Early Below Knee Amputation. Benjamin J. Brown, Mathew L. Iorio, Stephen J. Fernandez, Mitchell R. Klement, Michael R. Conti Mica, Amine El-Amraoui, Peter O'Halloran, Christopher E. Attinger. Society of Vascular Surgery Annual Meeting. Washington, DC. June 9, 2012.

Improving Below Knee Amputation Outcomes with a Vascularized Fibular Graft: A case series. Benjamin J. Brown, Lauren M. Hill, Matthew L. Iorio, Mitchell R. Klement, Michael R. Conti Mica, El-Amraoui, Amine, Brian Carlisle and Christopher E. Attinger. American Association of Plastic Surgeons Annual Meeting. San Francisco, CA. April 15, 2012

Effect on ED Patient Satisfaction of a Simple In-Room Provider Information Computer Display. Delasobera, BE, Dubin, J, Childs, C, Gostine, A, Klement, M.R., Gatewood, J. " American College of Emergency Physicians Annual Meeting. Las Vegas, NV, Sept 2010.

## **Reigonal**

Wellman SS, Klement M.R., Queen RM. A Prospective, Randomized Comparison of Mid-Flexion Balance After Total Knee Arthroplasty with Single-Radius and J-Curve Femoral Components. Eastern Orthopedic Association 47th Annual Meeting. New Orleans, LA. October, 2016.

Nickel BT, Klement M.R., Michael P. Bolognesi, M.D; Colin Penrose, B.S.; Cynthia L. Green, Ph.D.; Abiram Bala, B.A.; Thorsten M. Seyler, M.D. Ph.D. Lingering Risk: Bariatric Surgery Prior to Total Knee Arthroplasty. Southern Orthopedic Association 33rd Annual Meeting. Naples, FL. July, 2016.

Nickel BT, Klement M.R., Richard M., Zura R., Garrigues G.E. Closing the gap: a novel technique for humeral shaft nonunions using cup in cone reamers. Southern Orthopedic Association 33rd Annual Meeting. Naples, FL. July, 2016.

Nickel BT, Klement M.R., Bala A, Zura RD, Garrigues GE. Coexisting glenohumeral arthritis increases proximal humerus fracture nonunion after nonsurgical treatment. Southern Orthopedic Association 33rd Annual Meeting. Naples, FL. July, 2016.

Nickel BT, Klement M.R., Lampley AJ, Bullock WM, Seyler TM, Grant S, Bolognesi MP. Does Obesity Effect Pain and Mobility After TKA? Southern Orthopedic Association 33rd Annual Meeting. Naples, FL. July 2016.

Scott EJ, Klement M.R., Brigman BE, Eward WC. Implant Failure After Surgical Treatment of Metastatic Bone Disease. Eastern Orthopedic Association 46th Annual Meeting, Maui, HI. June 2015.

Klement M.R., Penrose CT, Bala A, Wellman SS, Bolognesi MP, Seyler TM. How Do Previous Solid Organ Transplant Recipients Fare After Primary Total Knee Arthroplasty? Eastern Orthopedic Association 46th Annual Meeting, Maui, HI. June 2015.

## BOOK CHAPTERS

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