

## ***BENJAMIN M. STRONG, MD***

### Curriculum Vitae

#### **EDUCATION**

##### **Graduate**

**Wayne State University School of Medicine** Detroit, MI  
Doctor of Medicine - With High Distinction  
Aug 2009- June 2013

##### **Undergraduate:**

**Hope College**, Holland, MI  
Bachelor of Science in Chemistry Magna Cum Laude  
Minor in Mathematics  
Aug 2005- May 2009

#### **TRAINING**

##### **Fellowship**

**Virginia Commonwealth University**, Richmond, VA  
Fellowship in Adult Reconstructive Surgery  
Aug 2018- Aug 2019

##### **Residency**

**University of Rochester**, Rochester, NY  
Residency in Orthopaedic Surgery  
June 2013- June 2018



#### **CERTIFICATION**

American Board of Orthopaedic Surgery (ABOS) Part 1- 7/12/18 Passed: Board Eligible

#### **WORK HISTORY**

October 2019 – Orthopaedic Associates of Michigan – Grand Rapids, MI

#### **FACILITY AFFILIATIONS**

2019 – present Spectrum Health Hospitals – Grand Rapids - MI  
2019 - present Metro Health U of M Health Hospital – Wyoming, MI  
2019 – present Metro Health OAM Surgery Center – Grand Rapids, MI

#### **TEAM COVERAGE**

Nazareth College, NCAA Division III Hockey, Resident Physician 2018  
Rochester Rhinos, USL Soccer League, Resident Physician 2017  
High School Football, Monroe County Public Schools, Resident Physician 2014-2017



## **HONORS/AWARDS**

### **Fellowship**

Best Fellow Research Presentation Winner

### **Residency**

Resident Teacher Award, University of Rochester Department of Orthopaedics  
Awarded three consecutive years: 2015-2016, 2016-2017, 2017-2018

Alan Levine Scholars in Orthopaedic Graduate Medical Education Scholarship  
49<sup>th</sup> Annual AAOS Course for Orthopaedic Educators. Rosemont, IL; 2016; Nov 6-10.  
Awarded to two residents nationally

### **Graduate**

Medical Alumni Senior Scholarship Award -2013  
Awarded to the student with the highest scholastic achievement over the 4 year period

Robert Rutzky Award 2013  
Awarded to the student with the highest performance in courses offered by the  
Department of Pathology

Class 2013 Surgery Award- Nominated  
Awarded to the student with the highest performance on rotations offered by General Surgery

Alpha Omega Alpha 2012-2013  
Elected Junior year, 2013 Chapter President

Medical Alumni Junior Scholarship Award 2012  
Awarded to the student with the highest scholastic achievement in year III

Medical Alumni Sophomore Scholarship Award 2011  
Awarded to the student with the highest scholastic achievement in year II

Narayan Verma, M.D., "Promotion of Enthusiasm in Neurology as a Career in Medicine"  
Endowed Scholarship 2010  
Awarded to the student with the highest score in Neuroscience

### **Undergraduate**

Hope Senior Award for Research 2009  
Awarded to 5 graduating seniors by the Department of Chemistry for scholastic  
achievement and research contributions

Sigma Xi Senior Research Award 2009 - Awarded for contributions to research

Jaecker Chemistry Scholarship 2012-2013  
Awarded for scholastic achievement within the Department of Chemistry

Presidential Scholarship 2005-2009  
4-year scholarship based on high school scholastic performance

Dean's List 2005-2009

## LICENCES

State of Michigan- Medical Doctor

## TEACHING EXPERIENCE – FACULTY AFFILIATIONS

Michigan State University College of Human Medicine - Clinical Instructor 2019  
Michigan State University College of Osteopathic Medicine - Clinical Instructor 2019  
SCOPE (Skills in Complete Physical Exam) musculoskeletal medical student curriculum,  
Resident Instructor, University of Rochester Medical Center 2016  
Review leader and tutor, Wayne State University School of Medicine 2010-2011

## PROFESSIONAL MEMBERSHIPS

Alpha Omega Alpha  
American Academy of Orthopaedic Surgeons, Resident/ Fellow Member  
American Academy of Hip and Knee Surgeons, Resident/ Fellow Member  
AAHKS Young Arthroplasty Group

## PROFESSIONAL SERVICE

Reviewer: Journal of Arthroplasty, Arthroplasty Today  
Reviewer: Geriatric Orthopaedics and Rehabilitation

## PEER-REVIEWED RESEARCH - PUBLICATIONS

1. **Strong B**, Maloney M, Baumhauer J, Schaffer J, Hung M, Bounsanga J, Voss M, Gu Y, Voloshin I. Psychometric Evaluation of the Patient-Reported Outcomes Measurement Information System (PROMIS) Physical Function and Pain Interference Computer Adaptive Test for Subacromial Impingement Syndrome. *J Shoulder Elbow Surg.* 2018 [Epub ahead of print, PMID: 30343864]
2. **Strong B**, Voloshin I. Posterior Interosseous Nerve Proximity to Cortical Button Implant for Distal Biceps Repair with Single and 2-Incision Approaches. *J Hand Surg Am.* 2018 [Epub ahead of print, PMID 30301643]
3. Shields E, Behrend C, Beiswenger T, **Strong B**, English C, Maloney M, Voloshin I: Scapular Dyskinesia Following Displaced Fractures of the Middle Clavicle. *J Shoulder Elbow Surg.* 2015; 12: 331-336. [PMID: 26169903]
4. Levine BR, Haughom B, **Strong B**, Hellman M, Frank R: Blood Management Strategies for Total Knee Arthroplasty. *J AM Acad Orthop Surg.* 2014; 22: 361-371 [PMID: 24860132]
5. **Strong B**. Rotational Spectroscopy of Diatomic Molecules.  
[http://chem.libretexts.org/Core/Physical\\_and\\_Theoretical\\_Chemistry/Spectroscopy/Rotational\\_Spectroscopy/Rotational\\_Spectroscopy\\_of\\_Diatomic\\_Molecules](http://chem.libretexts.org/Core/Physical_and_Theoretical_Chemistry/Spectroscopy/Rotational_Spectroscopy/Rotational_Spectroscopy_of_Diatomic_Molecules)

## PRESENTATIONS - PODIUM

1. **Strong B**, Voloshin I. PIN Proximity to Cortical Button Implant for Distal Biceps Repair with Single and Two-Incision Approaches.  
*29<sup>th</sup> Annual R. Plato Schwartz, MD Lectureship, University of Rochester. 2018 June 2; Rochester, NY*
2. **Strong B**, Okafor R, Kaplan N, Ho B, Houck J, Baumhauer J, Drinkwater C, Ginnetti J. Preoperative PROMIS Scores Help Identify Patients who will Fail to Improve from Total Hip Replacement at 6-12 Month Follow-Up.  
*American Association of Hip and Knee Surgeons Annual Meeting; 2016 November 10-13; Dallas, TX.*
3. Baumhauer J, Ho B, Houck J, DaSilva C, Papuga O, Mitten D, **Strong B**: Symposium, The Use of Patient Reported Outcomes in Clinical Decision Making.  
*International Society for Quality of Life Research. 2016 October 16; Copenhagen, Denmark.*
4. **Strong B**, Voloshin I. PIN Proximity to Cortical Button Implant for Distal Biceps Repair with Single and Two-Incision Approaches.  
*Shoulder and Elbow Surgeons Closed Meeting. 2016 October 6-9; Boston, MA.*
5. El-Shaar R, Canham C, **Strong B**, Boyd A, Drinkwater C. Patellar Component Failure Rates in Total Knee Arthroplasty: Patella Inset vs Onlay Designs.  
*American Academy of Orthopaedic Surgeons Annual Meeting; 2016 March 1-5; Orlando, FL.*

## PRESENTATIONS – POSTER

1. **Strong B**, Voloshin I. PIN Proximity to Cortical Button Implant for Distal Biceps Repair with Single and Two-Incision Approaches.  
*28<sup>th</sup> SECEC-ESSE Congress; 2018 September 19-22; Geneva, Switzerland*
2. **Strong B**, Baumhauer J, Houck J, Balkissoon R, Drinkwater C, Ginnetti J. Early PROMIS Scores 6 Weeks Following Total Knee Arthroplasty (TKA) Can Identify Patients Who Are Unlikely to Demonstrate Improvement at Greater than One Year Follow-Up.  
*American Academy of Orthopaedic Surgery Annual Meeting; 2018 March 6-10; New Orleans, LA.  
PROMIS in Action Conference, 2017 Oct 17; Philadelphia, PA.*
3. **Strong B**, Baumhauer J, Houck J, Balkissoon R, Drinkwater C, Ginnetti J. Early PROMIS Scores 6 Weeks Following Total Hip Arthroplasty (THA) Can Identify Patients Who Are Unlikely to Demonstrate Improvement at Greater than One Year Follow-Up.  
*PROMIS in Action Conference, 2017 Oct 17; Philadelphia, PA.*

**PRESENTATIONS POSTER (continued)**

4. **Strong B**, Baumhauer J, Houck J, Balkissoon R, Drinkwater C, Ginnetti J. PROMIS Scores Following Total Knee Arthroplasty Demonstrate No Further Improvement Between 6 Months Post-Operatively to Greater than 1 Year Post-Operative.  
*PROMIS in Action Conference, 2017 Oct 17; Philadelphia, PA.*
5. **Strong B**, Baumhauer J, Houck J, Balkissoon R, Drinkwater C, Ginnetti J. PROMIS Scores Following Total Hip Arthroplasty Demonstrate Continued Improvement at Greater than 1 Year Post-Operative.  
*PROMIS in Action Conference, 2017 Oct 17; Philadelphia, PA.*
6. **Strong B**, Maloney M, Baumhauer J, Schaffer J, Hung M, Bounsanga J, Voss M, Gu Y, Voloshin I. Psychometric Evaluation of the PROMIS Physical Function CAT, PROMIS Pain Interference CAT, and ASES for a Variety of Shoulder Diagnoses.  
*PROMIS in Action Conference, 2017 Oct 17; Philadelphia, PA.*
7. Strong N, **Strong B**, Patel R, Speach D, Orsini J, Mitten D, DaSilva C, Everett C. Comparison of Single-level and Multilevel Transforaminal Epidural Steroid Injections Utilizing PROMIS Outcomes Data.  
*HealthMeasures User Conference, 2017 Sep 27; Chicago, IL.*  
*American Society of Interventional Pain Physicians Annual Meeting; 2017 April 20-22; Las Vegas, NV.*
8. Strong N, **Strong B**, Patel R, Speach D, Orsini J, Mitten D, DaSilva C, Everett C. Establishing PROMIS Minimal Clinical Important Difference (MCID) Values after Single-level and Multilevel Transforaminal Epidural Steroid Injections.  
*HealthMeasures User Conference, 2017 Sep 27; Chicago, IL.*  
*American Society of Interventional Pain Physicians Annual Meeting; 2017 April 20-22; Las Vegas, NV.*
9. **Strong B**, Schaffer J, Kenney R, Nicandri G, Maloney M, Voloshin I. Comparison of Patient Reported Outcomes using a Disease Specific and Non-Disease Specific Instrument (PROMIS) in Patients with Shoulder Pain.  
*American Orthopaedic Society Sports Medicine Annual Meeting; 2017 July 20-23, Toronto, CAN*  
*American Academy of Orthopaedic Surgery Annual Meeting; 2017 March 14-18, San Diego, CA.*  
*American Shoulder and Elbow Surgeons Closed Meeting; 2016 October 6-9; Boston, MA.*
10. **Strong B**, Kaplan N, Okafor R, Ho B, Houck J, Baumhauer J, Drinkwater C, Ginnetti J. Preoperative PROMIS Scores Help Identify Patients who will Fail to Improve from Total Knee Replacement at 6-12 Month Follow-Up.  
*American Association of Hip and Knee Surgeons Annual Meeting; 2016 November 10-13; Dallas, TX.*



**PRESENTATIONS POSTER (continued)**

11. **Strong B**, Ho B, Houck J, Baumhauer J, Drinkwater C, Ginnetti J. Post-operative Trends in Patient Reported Outcomes (PROMIS) after Total Hip Replacement.  
*Academy Health Annual Research Meeting; 2016 June 26-28; Boston, MA.*
12. **Strong B**, Ho B, Houck J, Baumhauer J, Drinkwater C, Ginnetti J. Post-operative Trends in Patient Reported Outcomes (PROMIS) after Total Knee Replacement.  
*Academy Health Annual Research Meeting; 2016 June 26-28; Boston, MA.*
13. Ho B, Houck J, **Strong B**, Baumhauer J, Drinkwater C, Ginnetti J. Preoperative PROMIS Scores Identify Patients Who Fail to Benefit From Total Hip Replacement.  
*Academy Health Annual Research Meeting; 2016 June 26-28; Boston, MA.*
14. Ho B, Houck J, **Strong B**, Baumhauer J, Drinkwater C, Ginnetti J. Preoperative PROMIS Scores Identify Patients Who Fail to Benefit From Total Knee Replacement.  
*Academy Health Annual Research Meeting; 2016 June 26-28; Boston, MA.*
15. Zingman A, Gravity J, Awad H, **Strong B**, Voloshin I: The Effect of Calcium Phosphate Cement Augmentation on the Strength of Locking Plate Fixation for Type IIB Distal Clavicle Fractures.  
*American Orthopaedic Association Annual Meeting; 2015 June 24-27; Providence, RI.*