

# **AMY M. WICKMAN M.D.**

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## **PROFESSIONAL OFFICES**

Alta Orthopaedics, Santa Barbara

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Alta Orthopaedics, Solvang

2027 Village Lane, Suite 101, Solvang, CA 93462

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## **HOSPITAL APPOINTMENTS**

Cottage Hospital Santa Barbara

Cottage Hospital Goleta Valley

Cottage Hospital Santa Ynez

## **LICENSURE and CERTIFICATION**

20013-present      Board Certified, American Academy of Orthopaedic Surgeons

2011-present      State of California Medical License

2011-present      Radiography and Fluoroscopy X-Ray Supervisor and Operator

2010-2012      State of New York Medical License

## **EDUCATION/TRAINING**

2010-2011

### **Spine Fellowship**

New York University – Hospital for Joint Disease

Combined Orthopaedic and Neurosurgery program

Director: Thomas Errico, MD

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| 2005-2010 | <b>Orthopaedic Surgery Residency</b><br>Loyola University Medical Center<br>Department of Orthopaedic Surgery and Rehabilitation |
| 2001-2005 | <b>M.D.</b><br>Loyola University Chicago - Stritch School of Medicine<br>Maywood, IL                                             |
| 1995-1999 | <b>B.A., Major: Urban Studies</b><br>Brown University<br>Providence, RI                                                          |

## **PUBLICATIONS/PROJECTS**

Consulting for innovative instrumentation for anterior cervical surgery, La Jolla, CA

Facilitating Program for Same Day Spine Surgery, Cottage Hospital, Santa Barbara, CA

Creating Post-operative Spine Protocol, Cottage Hospital, Santa Barbara, CA

Converging Post-operative Neurosurgery and Orthopaedic Spinal Floors, Cottage Hospital, Santa Barbara, CA

Creating Spinal Algorithm for Acute Low Back Pain and leg pain, Cottage Hospital, Santa Barbara, CA

Wickman AM, Blondel B et al. Selection of Fusion Levels in the Adult Deformity Patient: An update. Spine J. 2013 Apr;13(4):464-74

Wickman, AM: An Unexpected Finding. Department of Orthopaedic Surgery and Rehabilitation Journal 2008;17:79-80.

Wickman, AM; Hopkinson, WJ: Exploring Periprosthetic Fractures: Four Cases Review. Department of Orthopaedic Surgery and Rehabilitation Journal 2007;16:46-53.

Wickman, AM; Pinzur, MS; Kadanoff, R; Juknelis, D: Health-Related Quality of Life for Patients with Rheumatoid Arthritis Foot Involvement. Foot Ankle Int 2004;25(1):19-26.

## **RESEARCH**

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2019-present | <b>Scientific Advisory Board</b> , ClearView Orthopaedic Development                                                                                                                                                                                                                                                                                                                                                                                     |
| 2010-2012    | <b><i>Prodisc-C Position and Cervical Range of Motion</i></b> Retrospective study of a prospective randomized Food and Drug Administration trial with single level cervical disc replacement (CDR). Examining the relationship of implant position as related to cervical spine range of motion.                                                                                                                                                         |
| 2010-2012    | <b><i>Adjacent Segment Degeneration in Anterior Cervical Decompression and Fusion versus Prodisc-C Cervical Disc Replacement</i></b> Retrospective study of patients enrolled in a prospective randomized Food and Drug Administration trial with single level cervical disc replacement (CDR) with the Prodisc-C versus anterior cervical decompression and fusion (ACDF). Specific analysis of adjacent segment degeneration 5 years post-operatively. |
| 2010-2012    | <b><i>Back injury in elite rowers: Prevalence, Outcomes, and Effect on Athletic Performance</i></b> Retrospective analysis of U.S. Elite rowers and back injury using the Short Form-36, Oswestry Disability Index, history of erg scores and seat position. Risk factors for back injury in rowers also examined.                                                                                                                                       |
| 2009-2012    | <b><i>Tethered Cord Release Prior to Correction of Spinal Deformity in Patients with Myelomeningocele</i></b> A retrospective analysis of the outcomes of releasing asymptomatic tethered cords prior to posterior spinal fusion for myelomeningocele patients with spinal deformity. A multi-center analysis.                                                                                                                                           |
| 2008-2010    | <b><i>Pedicle Response During Insertion of Pedicle Screws in Pediatric and Adult Thoracolumbar Spines: A Biomechanical Comparison of Five Age Groups</i></b> A biomechanical study of adult and pediatric pedicle bone response and bone elasticity to varying sized pedicle screws over a spectrum of age groups.                                                                                                                                       |
| 2007-2010    | <b><i>Load Bearing in Transtibial Amputation with Distal Tibio-Fibular Bone Bridging</i></b> A biomechanical study measuring load bearing in transtibial amputees and comparing bone-bridging and traditional transtibial amputees.                                                                                                                                                                                                                      |
| 2002-2005    | <b><i>Health-Related Quality of Life for Patients with Rheumatoid Arthritis Foot Involvement</i></b> An outcomes study using the Short Musculoskeletal Function Assessment (SMFA) following RA patients (n=69) over a 3 year period. Worked directly with Dr. Michael Pinzur.                                                                                                                                                                            |

## INSTRUCTION/PRESENTATIONS

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| January 2019 | Instructor, Acute Low Back and Leg Pain for Surgical Residents, Cottage Hospital, Santa Barbara, CA |
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| August 2017    | “Same Day Spine Surgery” Lecturer for surgical nurses, Cottage Hospital, Santa Barbara, CA                                                                                                                                       |
| May 2016       | “Spinal Bracing and Post-operative Care” Lecturer for nurses, Cottage Hospital, Santa Barbara, CA                                                                                                                                |
| March 2012     | “Lumbar Spinal Stenosis: Evaluation and Management” Lecturer for Medical Grand Rounds, Cottage Hospital, Santa Barbara, CA                                                                                                       |
| January 2012   | “Innovations in Cervical Surgery: The Alternative to Fusion” Lecturer for Tricounties Quaterly Meeting, American Physical Therapy Association, Santa Barbara, California                                                         |
| January 2012   | “Top 10 Orthopaedic Surgical Emergencies” Lecturer for Surgical Grand Rounds, Cottage Hospital, Santa Barbara, California                                                                                                        |
| November 2011  | “Cervical Spondylotic Myelopathy” Lecturer for Medical Grand Rounds, Cottage Hospital, Santa Barbara, California                                                                                                                 |
| July 2011      | “Analysis of Adjacent Segment Degeneration in ACDF vs. ProDisc-C” Oral Presentation for Fellow Research Day, New York, New York.                                                                                                 |
| February 2011  | “Cervical Disc Replacement” Oral Presentaion for NYU-Hospital for Joint Disease Spine Conference, New York, New York.                                                                                                            |
| January 2011   | Instructor, Spine Anatomy for NYU-Hospital for Joint Diseases resident education, New York, NY                                                                                                                                   |
| September 2010 | “Pedicule Response During Insertion of Pedicle Screw in Pediatric and Adult Thoracolumbar Spines: A Biomechanical Comparison of Five Age Groups” Podium Presentation for Scoliosis Research Society Annual Meeting, Kyoto, Japan |
| September 2010 | “Adolescent Idiopathic Scoliosis” Oral Presentation for NYU-Hospital for Joint Disease Resident Education, New York, New York.                                                                                                   |
| July 2009      | “Pedicule Response During Insertion of Pedicle Screws in Adult Thoracolumbar Spines: A Biomechanical Comparison of Three Age Groups” Podium Presentation for Spine Across the Sea Conference, Maui, Hawaii                       |
| April 2009     | “Pedicule Response During Insertion of Pedicle Screws in Adult Thoracolumbar Spines: A Biomechanical Comparison of Three Age Groups”                                                                                             |

Podium Presentation for Mid-America Orthopaedic Association Annual Meeting, Amelia Island Plantation, FL

- June 2008      “Pedicule Response After Placement of Pedicle Screws in Adult Thoracolumbar Spines: A Biomechanical Comparison of Three Age Groups” Podium Presentation for Annual Junior Thesis Day, Department of Orthopaedic Surgery and Rehabilitation, Maywood, IL
- June 2008      “Load Transfer in Transtibial Amputation with Distal Tibio-Fibular Bone Bridging” Oral Presentation for Annual Junior Thesis Day, Department of Orthopaedic Surgery and Rehabilitation, Maywood, IL
- June 2007      “Luxatio Erecta” Oral Presentation for Annual Senior Thesis Day, Department of Orthopaedic Surgery and Rehabilitation, Oakbrook, IL
- February 2007      Instructor, Casting Clinic for Orthopaedic Surgery Interest Group, Stritch School of Medicine, Maywood, IL
- February 2004      “Go Directly to Jail: Life in Prison with Mental Illness” Lecture, Dept. of Psychiatry, Maywood, IL
- June 2003      “Health-Related Quality of Life for Patients with Rheumatoid Arthritis Foot Involvement” National Poster Presentation at the 19th Annual Summer Meeting, American Orthopaedic Foot & Ankle Society, Hilton Head, SC
- October 2002      “Health-Related Quality of Life for Patients with Rheumatoid Arthritis Foot Involvement” Oral Presentation at the 15th Annual St. Luke’s Day Research Presentations, Stritch School of Medicine, Maywood, IL
- September 2001      “Pharmacogenetics in the 21st Century: How will it affect clinical medicine, specifically Oncology?” Lecture, Dept. of Clinical & Molecular Biology, Maywood, IL

## LEADERSHIP EXPERIENCE

- 2019-present      **Consultant**, NuVasive, spinal instrumentation company
- 2019-present      **Executive Board**, Alta Orthopaedics, overseeing fast-growing speciality orthopedic practice, 8 physicians
- 2017- present      **Comanagement Board**, Spine and Orthopaedic Board, Cottage Hospital, Santa Barbara, CA

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| 2006-2009 | <b>Resident Editor</b> , Department of Orthopaedic Surgery and Rehabilitation Journal                                                                                                               |
| 2002-2003 | <b>Secretary</b> , Orthopaedic Surgery Interest Group; helped arrange lectures, dinners, and casting clinics by Orthopaedic attendings and residents for students interested in Orthopaedic Surgery |
| 1999      | <b>Captain</b> , Brown's Women Crew; helped to lead 40+ member team to NCAA National Title. First NCAA title for Brown University                                                                   |

## COMMUNITY SERVICE/PREVIOUS WORK EXPERIENCE

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|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| March 2019      | <b>Speaker</b> , "Community Helper" presentation to kindergarten classes                                                                                                                                                                                                                                                      |
| 2018-present    | <b>Volunteer</b> , Santa Barbara Rescue Mission, serving dinner to homeless                                                                                                                                                                                                                                                   |
| 2017-present    | <b>Team Physician</b> , Sunnybrook Elite Riding Program                                                                                                                                                                                                                                                                       |
| 2002-2005       | <b>Volunteer</b> , Special Friends. Partnered with a pediatric oncology patient for outings, friendship, and support                                                                                                                                                                                                          |
| 2000-2001       | <b>Clinical Service Representative</b> , Rheumatology Department; coordinated activities and schedules for six Rheumatologists. Acted as an external and internal liaison between physicians, patients, hospitals, and clinics. Under the direct supervision of Dr. Daniel Furst. Virginia Mason Medical Center, Seattle, WA. |
| 1999-2000       | <b>Phlebotomist/Laboratory Processor</b><br>Providence General Medical Center, Everett, WA.                                                                                                                                                                                                                                   |
| 1991 to present | <b>Ordained Officer</b> , Fourth Presbyterian Church, Chicago, IL                                                                                                                                                                                                                                                             |

## HONORS/AWARDS

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|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Fellowship:<br>Spring 2011             | <b>Chief Administrative Fellow</b> , NYU-HJD Spine Fellowship                                                               |
| Residency:<br>2010, 2009<br>2008, 2007 | <b>DePuy Spine Travel Grant</b> , \$2000 for research presentations<br><b>Magis Star</b> , Loyola University Medical Center |

2007                      **Seed Grant of \$10,000**, American Orthopaedic Foot and Ankle Society

Medical School:

2004, 2005              **Miller Scholarship for Orthopaedic Surgery**  
2002, 2003              **Stritch School of Medicine Summer Research Stipend**

Undergraduate:

1999                      **NCAA National Champion**, Women's Rowing  
1999                      **All-Ivy League Team**, First Team  
1999                      **Most Outstanding Varsity Athlete**, Brown University  
1999                      **Female Athlete of the Year**, Nominated, Brown University  
1998                      **Henley-on-Thames International Regatta Winner**, Women's Rowing

## ACTIVITIES

**Hobbies:** Horseback Riding: Hunter-Jumper, Running, Reading, Writing Letters and Knitting

1995-1999              **Rower on Brown Varsity Crew team.** Walk-on athlete. Participated in NCAA Championship 1997-1999. Won National Championship title 1999. Henley-on-Thames, England, International Regatta, Winner 1998.

## PROFESSIONAL ORGANIZATIONS

2008-present              North American Spine Society  
2005-present              American Academy of Orthopaedic Surgeons  
2006-present              Ruth Jackson Orthopaedic Society