

CURRICULUM VITAE

Community Health Network
Orthopedic Specialty Care
7930 N. Shadeland Ave.
Indianapolis, IN 46250
317.621.7987

Mark J. Hood, Jr., M.D., M.S.

EMPLOYMENT

Community Health Network Indianapolis, IN	9/2023 – Present
Indiana Medical Consulting, LLC Indianapolis, IN	2/2024 - Present
Carolina Orthopaedic and Neurosurgical Associates Greenville, SC	9/2021 – 7/2023

BOARD CERTIFICATION

Board Certified Orthopaedic Surgeon American Board of Orthopaedic Surgery	9/2023
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EDUCATION

Adult Joint Reconstructive Surgery Fellowship Ortho Carolina Charlotte, NC	7/2020 – 7/2021
Orthopaedic Surgery Residency Indiana University School of Medicine Indianapolis, IN	7/2015 – 6/2020
Doctor of Medicine Indiana University School of Medicine Indianapolis, IN	7/2011 – 5/2015
Master of Science , Department of Cellular and Integrative Physiology Indiana University School of Medicine Indianapolis, IN	7/2010 – 5/2011
Bachelor of Science , <i>Major</i> : Chemistry, <i>Minor</i> : Mathematics Indiana University Purdue University – Indianapolis, IN	8/2006 – 5/2010

HONORS & AWARDS

Indiana Orthopaedic Society Resident Research Award (2019)
2nd Annual Lorraine E. & Raymond A. Gaffney Scholarship Award (2015)
Students who have demonstrated exceptional commitment to community service
Class of 1985 & Todd B Taylor Leadership Award (2015)

GHHS Gerald Bepko Award for Excellence in Professionalism (2014)
Gold Humanism Honor Society Member (2014)
IUSM Annual Scholarship (2014)
Franklin D. Tally and Susie H. Tally Scholarship (2013)
Student Research Program in Academic Medicine Scholarship (2012)
Hendricks Regional Health Scholarship (2011-2013)

LEADERSHIP

Indiana Orthopaedic Society Board Member	May 2018 – June 2020
AAOS Residency Assembly Delegate	October 2017 – June 2020
IUSM GME Patient Safety Council	September 2017 – June 2020
Salvation Army's Young Indianapolis Echelon Leadership Board, <i>VP of Service</i>	July 2017 – June 2020
Medical Undergraduate Mentoring PartnerShip (MUMPS)	March 2014 – May 2015
IUSM Curriculum Reform Musculoskeletal & Dermatology Team	April 2013 – May 2015
Orthopaedic Surgery SIG, President	April 2013 – May 2015
Indiana State Medical Association-MSS, Vice President of Operations	April 2013 – April 2014
American Medical Association-MSS, Vice President of Operations	April 2013 – April 2014
IUSM Second Look Program Ambassador	April 2013
IUSM Spring House Calls, Project Co-Chair	March 2013 – May 2015
Student Outreach Clinic, Operations Committee	February 2013 – May 2015
IUSM Service of Remembrance Medical School Representative	October 2012
Orthopaedic Surgery SIG, Research Chair	April 2012 – April 2014
Student Outreach Clinic, Development Committee	January 2012 – February 2013
IUSM Medical Student Mentor Program	August 2011 – May 2015
American Medical Association-MSS Class Representative	October 2011 – May 2015

PUBLICATIONS

Dilley JE, **Hood M Jr**, Kheir MM, Ziemba-Davis M, Meneghini RM. Do Patients with Cementless Fixation Experience Greater Pain and a Slower Recovery After Total Knee Arthroplasty? A Matched Case-Control Study. (*Awaiting Submission*).

Hood M Jr, Rowe TM, Valenzuela M, McBride B, Fehring TK. Arthrotomy Dehiscence Following Total Knee Arthroplasty with Barbed Suture: Should We be Concerned? *J Am Acad Orthop Surg*. 2023 Mar 15;31 (6):300-304.

Hood M Jr, Dilley JE, Ziemba-Davis M, Meneghini RM. Greater Blood Loss in Contemporary Cementless Total Knee Arthroplasty despite Tranexamic Acid Use: A Matched-Controlled Retrospective Study. *J Knee Surg*. 2019 Aug 30.

Kheir MM, Ziemba-Davis M, Dilley JE, **Hood M Jr**, Meneghini RM. Tourniquetless Total Knee Arthroplasty with Modern Perioperative Protocols Decreases Pain and Opioid Consumption in Women. *J Arthroplasty*. 2018 Nov; 33(11): 3455-3459.

Fleischman M, **Hood M Jr**, Ziemba-Davis M, Meneghini RM. Tranexamic Acid and Computer-Assisted Surgery in Cemented and Cementless Total Knee Arthroplasty: Are the Effects Additive for Blood Conservation?. *Surg Technol Int*. 2017 July 25; 30:268-273.

He Y, Childress P, **Hood M Jr**, Alvarez M, Kacena MA, Hanlon M, McKee B, Bidwell JP, Yang FC. Nmp4/CIZ suppresses the parathyroid hormone anabolic window by restricting mesenchymal stem cell and osteoprogenitor frequency. *Stem Cells Dev* 2013 22(3):492-500.

Bidwell JP, Childress P, Alvarez M, **Hood M Jr**, He Y, Pavalko FM, Kacena MA, Yang FC. Nmp4/CIZ closes the parathyroid hormone anabolic window. *Crit Rev Eukaryot Gene Expr* 2012 22(3):205-18.

Bidwell JP, Alvarez M, **Hood M Jr**, Childress P. Functional Impairment of Bone Formation in the Pathogenesis of Osteoporosis. *Curr Osteoporos Rep* 2013 June 11(2):117-25.

BOOKS/CHAPTERS

Masonis JL, **Hood M Jr**, Laude F, Mason JB. Anterior Approach Total Hip Arthroplasty in Developmental Hip Dysplasia. *Direct Anterior Approach to Hip Reconstruction*. 2nd ed. (*Awaiting Publication*).

Hood M Jr, Curtin B. Complex Primary TKA Section: A primary TKA after high tibial osteotomy chronic nonunion with retained hardware. (*Awaiting Publication*).

PRESENTATIONS

Hood M Jr, Rowe TM, Valenzuela M, McBride B, Fehring TK. Arthrotomy Dehiscence Following Total Knee Arthroplasty with Barbed Suture: Should We be Concerned?. American Academy of Orthopaedic Surgeons, Chicago, IL, March 2022. Podium Presentation.

Hood M Jr, Rowe TM, Valenzuela M, McBride B, Fehring TK. Arthrotomy Dehiscence Following Total Knee Arthroplasty with Barbed Suture: Should We be Concerned?. American Association of Hip and Knee Surgeons, Dallas, Tx, November 2021. Poster Presentation.

Hood M Jr, Rowe TM, Valenzuela M, McBride B, Fehring TK. Arthrotomy Dehiscence Following Total Knee Arthroplasty with Barbed Suture: Should We be Concerned?. Lectureship, Charlotte, NC, July 2021. Podium Presentation.

Hood M Jr, Dilley JE, Ziemba-Davis M, Meneghini RM. Greater Intra-Articular Blood Loss in Contemporary Cementless Total Knee Arthroplasty Even with Tranexamic Acid: A Matched-Controlled Retrospective Study. Garceau-Wray Lectureship, Indianapolis, IN, June 2019. Podium Presentation.

Hood M Jr, Dilley JE, Ziemba-Davis M, Meneghini RM. Greater Intra-Articular Blood Loss in Contemporary Cementless Total Knee Arthroplasty Even with Tranexamic Acid: A Matched-Controlled Retrospective Study. Indiana Orthopaedic Society Annual Meeting, Indianapolis, IN, April 2019. Podium Presentation.

Kheir MM, Ziemba-Davis M, Dilley JE, **Hood M Jr**, Meneghini RM. Tourniquetless Total Knee Arthroplasty with Modern Perioperative Protocols Decreases Pain and Opioid Consumption in Females. AAOS Annual Meeting, New Orleans, LA, March 2018. Poster Presentation.

Kheir MM, Ziemba-Davis M, Dilley JE, **Hood M Jr**, Meneghini RM. Tourniquetless Total Knee Arthroplasty with Modern Perioperative Protocols Decreases Opioid Consumption. Clinical Orthopaedic Society Annual Meeting, Indianapolis, IN, September 2017. Podium Presentation.

Hood M Jr, Dilley JE, Warth LC, Ziembra-Davis M, Meneghini RM. Greater Intra-Articular Blood Loss in Cementless Total Knee Arthroplasty Even With Tranexamic Acid. Garceau-Wray Lectureship, Indianapolis, IN, June 2017. Podium Presentation.

Childress P, **Hood M Jr**, Alvarez M, Bidwell JP. Nmp4/CIZ suppression of parathyroid hormone (PTH)-induced bone formation: repression of both osteoprogenitors and mature bone cells. American Medical Association-MSS Annual National Conference, Honolulu, HI, November 2012. Poster Presentation.

Childress P, **Hood M Jr**, Alvarez M, Bidwell JP. Nmp4/CIZ suppression of parathyroid hormone (PTH)-induced bone formation: repression of both osteoprogenitors and mature bone cells. IUSM Annual Student Research Program in Academic Medicine Research Day, October 2012. Podium Presentation.

He Y, Childress P, **Hood M Jr**, Alvarez M, Kacena MA, Hanlon M, McKee B, Bidwell JP, Yang FC. Enhancing Parathyroid Hormone (PTH) Osteoporosis Therapy. IUSM Annual Student Research Program in Academic Medicine Poster Symposium, August 2012. Poster Presentation.

Hood M Jr, Nurok D. Separation of Peptides by Pressurized Planar Electrochromatography using TLC Plates Impregnated with Polyoxyethyleneglycol Dodecyl Ether. IUPUI School of Science Annual Research Day, May 2010. Poster Presentation.

Hood M Jr, Nurok D. Separation of Peptides by Pressurized Planar Electrochromatography using TLC Plates Impregnated with Polyoxyethyleneglycol Dodecyl Ether. IUPUI School of Science Annual Capstone in Chemistry Symposium, April 2010. Podium Presentation.

MEMBERSHIP IN PROFESSIONAL & SCIENTIFIC ORGANIZATIONS

American Association of Hip and Knee Surgeons	July 2020 – Present
International Association of Orthopedic Surgeons	April 2017 – Present
American Academy of Orthopaedic Surgeons	July 2015 – Present
American College of Surgeons	July 2015 – Present
American Medical Association	August 2011 – Present
American Association for the Advancement of Science	September 2010 – Present
Indiana Orthopaedic Society	July 2015 – June 2020
	September 2023 -- Present
South Carolina Orthopaedic Association	September 2021 – July 2023
Greenville County Medical Association	September 2021 – July 2023
South Carolina Medical Association	September 2021 – July 2023
Indiana State Medical Association	August 2011 – June 2020
American College of Physicians	August 2011 – May 2015
Indiana Physiological Society	October 2010 – May 2015

Revised January 2026