

CURRICULUM VITAE

Saurabh Mehta, PT, PhD
Associate Professor
School of Physical Therapy
Marshall University
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Huntington, WV 25702
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Education

Toronto Western Research Institute
University of Toronto Health Network
Toronto, Canada
January 2013-August 2013
Post-Doctoral Research Training

McMaster University
Hamilton, ON, Canada
September 2008 to December 2012
Rehabilitation Sciences
Doctor of Philosophy

University of Manitoba
Winnipeg, MB, Canada
January 2004 to June 2008
Rehabilitation
Master of Science (Rehabilitation)

Maharaja Sayajirao University
Baroda, India
August 1993 to June 1997
Physiotherapy
Bachelor of Physiotherapy

Licensure Information/Registration Number

Physical Therapist (#003240), Issued 10/01/2013, expiring 12/31/2021
West Virginia State Board of Physical Therapy

Physical Therapist (#1267377), Issued 10/22/2015, expiring 04/30/2022
Texas Board of Physical Therapy Examiners

Physical Therapist (#2305209809), Issued 08/21/2015, expiring 12/31/2022
Virginia Board of Physical Therapy

Physical Therapist (#5501009848), Issued 8/19/2002, expiring 7/31/2021
Michigan State Board of Physical Therapy

Physiotherapy License (#11682), Issued April 2006, Expired August 2013
College of Physiotherapists of Ontario

Physiotherapy License (#1762), Issued June 2003, Expired March 2007
College of Physiotherapists of Manitoba

Physical Therapist #3770, Issued 07/1997, valid for life
Indian Association of Physiotherapy, India

Employment and Positions Held

Associate Professor
Tenured
Marshall University
Huntington, West Virginia
May 2019- present

Assistant Professor
Tenure Track
Marshall University
Huntington, West Virginia
August 2013- April 2019

Clinical Assistant/Associate Professor
Department of Orthopedic Surgery
Marshall University
Huntington, WV
October 2013 - Current

Physical Therapist - Home Health
Saint Elizabeth Health Care (Formerly Community Rehab)
Brampton, ON, Canada
June 2006-June 2013

Physical Therapist - Inpatient Orthopedic Unit
William Osler Health Center
Brampton, ON, Canada
Feb 2009-June 2013

Teaching Assistant
School of Rehabilitation Sciences
McMaster University
Hamilton, ON, Canada
September 2008-August 2012

Research Assistant
Pain Research Center
School of Medical Rehabilitation, University of Manitoba
Winnipeg, MB, Canada
January 2006-May 2006
Physical Therapist - Outpatient Private Practice Clinic
Fort Richmond Physiotherapy Clinic
Winnipeg, MB, Canada
June 2003-May 2006

Physical Therapist - Inpatient Orthopedics
York Central Hospital
Richmond Hill, ON, Canada
Feb 2003-June 2003

Lecturer
Shree Swaminayan College of Physiotherapy
SNDT University
Kadodara, DIST. Surat, India
April 2001-Jan 2002
Tutor/Physiotherapist
Shree Swaminayan College of Physiotherapy
SNDT University
Kadodara, DIST. Surat, India
August 1999-March 2001

Staff Physical Therapist - Outpatient Private Practice Clinic
Achal Physiotherapy Clinic
Surat, India
July 1997-Aug 1999

Additional Training

National Physical Therapy Exam Item Writer (8/2019). Federation of State Board of Physical Therapy, Washington DC, USA

Integrating Movement System Framework in Practice (3/2018). American Physical Therapy Association, Washington DC, USA

Fellow (06/2010). CIHR Summer Institute in Aging, Jasper, Alberta.

Published/In Press (JIF = journal impact factor, C = estimated contribution 0.00-1.00) student trainees are underlined

1. Farzad M, MacDermid JC, **Mehta SP**, Grewal R, Shafiee E. Pain at Rest and Pain with Movement, not Their Ratio, Predict Pain and Disability at Six- and 12-Months after Distal Radius Fracture. *Achieves of Physiotherapy*. 2021; In Press. (JIF = TBD, C = 0.2).

2. Ziebart C, **Mehta SP**, MacDermid JC. Measurement Properties of Outcome Measures Assessing Physical Impairments in Patients after Distal Radius Fracture: A Systematic Review. *Phys Ther*. 2021; In Press. (JIF = 3.043, C = 0.3).
3. **Mehta SP**, Bremer H, Cyrus H, Milligan A, Oliashirazi, A. Smartphone Goniometer has Excellent Reliability Between Novice and Experienced Physical Therapists in Assessing Knee Range of Motion. *J Bodyw Mov Ther*. 2021; 25:67-74. (JIF = 1.12, C = 0.4).
4. **Mehta SP**, Kendall K, Reasor C. Reliability of Knee and Wrist Joint Range of Motion Obtained via Virtual versus Face-to-Face Assessments. *Musculoskeletal Care*. 2020; In Press. (JIF = 1.16, C = 0.5).
5. **Mehta SP**, Jobes J, Parsemain C, Lu S, Kelley K, Oliashirazi A. Rasch Analysis for KOOS-JR in Individuals Awaiting Total Knee Replacement Surgery. *J Knee Surg*. 2020; In Press. (JIF = 1.591, C = 0.3)
6. **Mehta SP**, Weinstock-Zlotnick G, Akland KL, Hanna MM, Workman KJ. Using Carpal Tunnel Questionnaire in Clinical Practice: A Systematic Review of Its Measurement Properties *J Hand Ther*. 2020; 33(4):493-506. (JIF = 2.00, C = 1.0)
7. **Mehta SP**, Rigney A, Webb K, Wesney J, Stratford PW, Shuler FD, Oliashirazi A. Characterizing the Recovery Trajectories of Knee Range of Motion for One Year after Total Knee replacement. *Physiother Theory Pract*. 2020; 36(1):125-127. (JIF = 1.158, C = 0.4)
8. **Mehta SP**. Clinical relevance commentary in response to "The validity and reliability of DrGoniometer, a smartphone application, for measuring forearm supination". *Journal of Hand Therapy*. 2019;32(1):118-120. (JIF = 2.00, C = 1.0)
9. **Mehta SP**, George HR, Goering CA, Shafer DR, Koester A, Novotny S. Reliability, validity, and minimal detectable change of the push-off test scores in assessing upper extremity weight-bearing ability. *J Hand Ther*. 2019;32(1):103-109. (JIF = 2.00, C = 0.4)
10. **Mehta SP**, Morelli N, Prevatte C, White D, Oliashirazi A. Validation of Physical Performance Tests in Individuals with Advanced Knee Osteoarthritis. *HSS J*. 2019;15(3):261-268. (JIF = N/A, C = 0.4).
11. Hayes R, Maldonado D, Gossett T, Shepherd T, **Mehta SP**, Flesher SL. Development and Validation of a STEP Test of Aerobic Fitness in Elementary School Children. *Physiother Can*. 2019;71(2):187-194. (JIF = 0.8, C = 0.2).
12. Weinstock-Zlotnick G, **Mehta SP**. A systematic review of the benefits of occupation-based intervention for patients with upper extremity musculoskeletal disorders. *J Hand Ther*. 2019;32(2):141-152. (JIF = 2.00, C = 0.4)
13. **Mehta SP**, Liang T, Mullins K, Wallenberg J. A Brief Review of Flexicurve for Assessing Spinal Curvature. *Crit Rev Phys Rehabil Med*. 2018; 30(4):281-284. (JIF = N/A, C = 0.3)
14. **Mehta SP**, Lee E, Narum J, Robinson K. A Review of Grip Strength Assessment for Wrist Fractures. *Crit Rev Phys Rehabil Med*. 2018; 30(4):293-296. (JIF = N/A, C = 0.3)
15. **Mehta SP**, Adkins W, Freund J, Kelly M. A Review of Wrist Joint Position Sense Test. *Crit Rev Phys Rehabil Med*. 2018; 30(4):285-287. (JIF = N/A, C = 0.3)
16. **Mehta SP**, Adkins J, Chen L, Hanson E, Dowrey J. A Review of Tilburg Frailty Indicator.

- Crit Rev Phys Rehabil Med.* 2018; 30(4):289-292. (JIF = N/A, C = 0.3)
17. **Mehta SP.** Preface: Outcome Measurement in Physical Therapy I. *Crit Rev Phys Rehabil Med.* 2018;30(2):v-vii. (JIF = N/A, C = 1.0)
 18. **Mehta SP, Chang K, Malave C, McGuire A.** Hop Tests. *Crit Rev Phys Rehabil Med.* 2018;30(2):113-115. (JIF = N/A, C = 0.3)
 19. **Mehta SP, Crochet Z, O'Dell N, Stevenson A.** Hospital Anxiety and Depression Scale. *Crit Rev Phys Rehabil Med.* 2018;30(2):101-103. (JIF = N/A, C = 0.3)
 20. **Mehta SP, Bremer H, Pflieghaar J, Ramey A.** The Star Excursion Balance Test. *Crit Rev Phys Rehabil Med.* 2018;30(2):137-139. (JIF = N/A, C = 0.3)
 21. **Mehta SP, Jarvis A, Standifer D, Warnimont C.** International Physical Activity Questionnaire. *Crit Rev Phys Rehabil Med.* 2018;30(2):125-127. (JIF = N/A, C = 0.3)
 22. Gossett T, Shepherd T, Powell R, **Mehta S.** Validation Of A Multi-staged Step Test For Measuring Fitness As A Clinical Vital Sign. *Medicine & Science in Sports & Exercise.* 2017;49(5S):299. (JIF = 4.459, C = 0.2)
 23. Mehta SP, Barker K, Bowman B, Galloway H, Oliashirazi N, Oliashirazi A. Reliability, Concurrent Validity, and Minimal Detectable Change for iPhone Goniometer App in Assessing Knee Range of Motion. *J Knee Surg.* 2017;30(6):577-584. (JIF = 1.591, C = 0.3)
 24. Ashworth HM, Warner CN, **Mehta SP**, Shulder FD, Oliashirazi A. Preoperative Low Back Pain Affects Recovery in Knee Flexion Range of Motion Following Total Knee Replacement. *Crit Rev Phys Rehabil Med.* 2016;28(1-2):47-55. (JIF = N/A, C = 0.3)
 25. Packham TL, **Mehta S**, Iacob S, Patel V, Cooper M. Psychometric Properties of Assessments of Scars and Scarring: A Systematic Review. *J Hand Ther.* 2016; 29(3):369-370. (JIF = 2.00, C = 0.3)
 26. **Mehta SP**, Sankar A, Venkataramanan V, et al. Cross-cultural Validation of the ICOAP and Physical Function Short Forms of the HOOS and KOOS in a Multi-country Study of Patients with Hip and Knee Osteoarthritis. *Osteoarthritis Cartilage.* 2016; 24(12):2077-2081. (JIF = 4.17, C = 0.5)
 27. Willis KL, McBride MM, Workman KJ, **Mehta SP.** A Systematic Review of the Measurement Properties of the Carpal Tunnel Questionnaire. *J Hand Ther.*29(2):e6-e7. (JIF = 2.00, C = 0.3)
 28. Weinstock-Zlotnick G, **Mehta SP.** A structured literature synthesis of wrist outcome measures: An evidence-based approach to determine use among common wrist diagnoses. *J Hand Ther.* 2016;29(2):98-110 (JIF = 2.00, C = 0.5) (Invited paper for the special issue on wrist joint)
 29. Pierrynowski M, McPhee C, **Mehta SP**, MacDermid JC, Gross A. Intra and Inter-Rater Reliability and Convergent Validity of FIT-HaNSA in Individuals with Grade capital PE, Cyrillic Whiplash Associated Disorder. *Open Orthop J.* 2016;10:179-189 (JIF = 1.47, C = 0.2)

30. **Mehta SP**, Fulton A, Quach C, Thistle M, Toledo C, Evans NA. Measurement Properties of the Lower Extremity Functional Scale: A Systematic Review. *J Orthop Sports Phys Ther*. 2016;1-39. (JIF = 3.83, C = 0.5)
31. **Mehta SP**, Tiruttani R, Kaur MN, MacDermid J, Karim R. Psychometric Properties of the Hindi Version of the Disabilities of Arm, Shoulder, and Hand: A Pilot Study. *Rehabil Res Pract* 2015. ID 482378. doi:10.1155/2015/482378. (JIF = N/A, C = 0.5)
32. Minkemeyer VM, Meriweather M, Shuler FD, **Mehta SP**, Qazi ZN. Primary Care Fall Risk Assessment for Elderly West Virginians. *W V Med J*. 2015;111(6):18-23. (JIF = N/A, C = 0.2)
33. **Mehta SP**, Perruccio AV, Palaganas M, Davis AM. Do Women have Poorer Outcomes Following Total Knee Replacement? *Osteoarthritis Cartilage*. 2015;23(9):1476-1482. (JIF = 4.17, C = 0.5)
34. Curry M, **Mehta SP**, Chaffin J, Duran E, Washington B, Bose S. The Effect of Low-Volume, High-Intensity Interval Training on Blood Glucose Markers, Anthropometric Measurements, and Cardiorespiratory Fitness in Patients with Type II Diabetes. *Crit Rev Phys Rehabil Med*. 2015;27(1):19-34. (JIF = N/A, C = 0.3)
35. Kahn DS, Shuler FD, Qazi ZN, Belmaggio TD, **Mehta SP**. The Emerging Role of Vitamin D in Sports Physical Therapy: A Review. *Crit Rev Phys Rehabil Med* 2015;27(1):1-10. (JIF = N/A, C = 0.1)
36. **Mehta SP**, MacDermid JC, Richardson J, MacIntyre NJ, Grewal R. A systematic review of the measurement properties of the patient-rated wrist evaluation. *J Orthop Sports Phys Ther*. 2015;45(4):289-298. (JIF = 3.83, C = 0.5)
37. **Mehta SP**, MacDermid JC, Richardson J, MacIntyre NJ, Grewal R. Baseline pain intensity is a predictor of chronic pain in individuals with distal radius fracture. *J Orthop Sports Phys Ther*. 2015;45(2):119-127. (JIF = 3.83, C = 0.5)
38. **Mehta SP**, MacDermid JC, Richardson J, MacIntyre NJ, Grewal R. Reliability and validity of selected measures associated with increased fall risk in females over the age of 45 years with distal radius fracture - A pilot study. *J Hand Ther*. 2015;28(1):2-9; quiz 10. (JIF = 1.81, C = 0.5)
39. **Mehta SP**, MacDermid JC, Richardson J, MacIntyre NJ, Grewal R. A Structured Literature Synthesis to Identify Measures for Screening the Risk of Adverse Outcomes in Individuals Following Distal Radius Fracture. *Crit Rev Phys Rehabil Med*. 2014;26(3-4):145-164. (JIF = N/A, C = 0.5)
40. Donohue K, Hoevenaars R, McEachern J, Zeman E, **Mehta SP**. Home-Based Multidisciplinary Rehabilitation Following Hip Fracture Surgery: What is the Evidence? *Rehabil Res Pract* 2013. ID 875968 (JIF = N/A, C = 0.2)
41. Kaur M, **Mehta S**. Chronic Pain Grade Questionnaire. *J Physiother* 2013;59(1):60. (JIF = 2.255, C = 0.4)
42. Kumta P, MacDermid JC, **Mehta SP**, Stratford PW. The FIT-HaNSA demonstrates reliability and convergent validity of functional performance in patients with shoulder disorders. *J Orthop Sports Phys Ther* 2012;42(5):455-464. (JIF = 3.01, C = 0.2)

43. **Mehta SP**, Mhatre B, MacDermid JC, Mehta A. Cross-cultural Adaptation and Psychometric Testing of the Hindi Version of the Patient-rated Wrist Evaluation. *J Hand Ther* 2012;25(1):65-78. (JIF = 1.81, C = 0.6)
44. **Mehta S**, Macdermid JC, Carlesso LC, McPhee C. Response to the Letter by Dr. Markus Melloh and Colleagues regarding our published article, "Concurrent Validation of the DASH and the QuickDASH in Comparison to Neck-Specific Scales in Patients With Neck Pain". *Spine (Phila Pa 1976)* 2011. (JIF = 2.51, C = 0.8)
45. **Mehta SP**, Roy JS. Systematic review of home physiotherapy after hip fracture surgery. *J Rehabil Med* 2011;43(6):477-480. (JIF = 2.4, C = 0.9)
46. **Mehta S**, Shay B, Szturm T, El-Gabalawy HS. Kinematic Analysis of Gait following Intraarticular Corticosteroid Injection into the Knee Joint with an Acute Exacerbation of Arthritis. *Physiother Can* 2011;63(4):395-404. (JIF = N/A, C = 0.6)
47. **Mehta S**, Macdermid JC, Tremblay M. The implications of chronic pain models for rehabilitation of distal radius fracture. *Hand Therapy* 2011;16:2-11. (JIF = N/A, C = 0.6)
48. **Mehta S**, MacDermid JC, Carlesso LC, McPhee C. Concurrent Validation of the DASH and the QuickDASH in Comparison to Neck-Specific Scales in Patients With Neck Pain. *Spine (Phila Pa 1976)* 2010;35(24):2150-2156. (JIF = 2.51, C = 0.8)

Book Chapter

Harris J, **Mehta SP**, MacDermid JC. Moving Evidence into Practice: Case Examples. In: Law M, MacDermid JC, editors. *Evidence-Based Rehabilitation: A Guide to Practice*. 3rd Edition ed. Thorofare, NJ: SLACK Incorporated; 2014.

Peer Reviewed Scientific and Professional Presentations and Published Abstracts

1. Kendall KM, Reasor CM, **Mehta SP**. Inter- and Intrarater Reliability of Virtual Assessment of Wrist Range of Motion. Combined Sections Meeting of the American Physical Therapy Association; February 1-28, 2021; Held virtually.
2. Whitwer CG, Khaled MK, Walls, AD, **Mehta SP**. A Systematic Review of the Measurement Properties of the Community Balance and Mobility Scale. Combined Sections Meeting of the American Physical Therapy Association; February 1-28, 2021; Held virtually.
3. Blocksom, Hite KM, Kendall KM, **Mehta SP**. Changes in Wrist Position Sense From Fatigue in Healthy Adults and Carpal Tunnel Syndrome. Combined Sections Meeting of the American Physical Therapy Association; February 1-28, 2021; Held virtually.
4. Klink SL, Reasor CM, Ward HJ, Kelley KW, Oliashirazi A, **Mehta S**. The Chair-stand Test Accurately Discriminated Frailty Level in Individuals Awaiting Total Knee Replacement Surgery. *J Orthop Sports Phys Ther. J Orthop Sports Phys Ther*. 2021;51(1):CSM13.
5. Adkins S, Herron A, Robinson KN, Sloan A, **Mehta SP**. Impact of Wrist Fatigue on the Active Joint Position Sense in Patient with Wrist Conditions. Combined Sections Meeting of the American Physical Therapy Association; February 12-16, 2020; Denver, CO.
6. **Mehta SP**, Indramohan P, Johnson K, Ajmeri A, Singh M, Goebel L. Tilburg Frailty Indicator Has Good Concurrent and Discriminant Validity in Elderly Patients Attending

Geriatric Clinic. Combined Sections Meeting of the American Physical Therapy Association; February 12-16, 2020; Denver, CO.

7. Dobariya V, Ajmeri A, Indramohan P, Goebel L, **Mehta S**. Tilburg Frailty Indicator Accurately Captured Frailty in Elderly Patients Attending Geriatric Outpatient Clinic. Presented at the Annual Conference of American College of Physicians West Virginia Chapter Meeting held October 24-26, 2019 at Roanoke, West Virginia
8. **Mehta SP**, Weinstock-Zlotnick G. Using Carpal Tunnel Questionnaire in Clinical Practice: An Update on Measurement Properties. Presented at 11th Triennial Congress of the International Federation of Societies for Hand Therapy (IFSHT), Berlin, Germany held June 17-21, 2019.
9. Bitner D, Standifer D, McClaim M, **Mehta SP**. Identifying physical therapy interventional approaches used to reduce fear and avoidance behaviors in patients with chronic low back pain: A scoping review. *J Orthop Sports Phys Ther*. 2019;49(1):CSM73–CSM74.
10. Chen AZ, Keene DC, Malave CO, **Mehta SP**. Reproducibility, Concurrent Validity, and Known-Group Validity of Active Joint Position Sense in Patients with Carpal Tunnel Syndrome. Combined Sections Meeting of the American Physical Therapy Association; January 23-26, 2019, 2019; Washington DC.
11. **Mehta SP**, MacDermid JC, Stralka S. Prognostic Approach for Managing Risk of Adverse Outcomes in Fall-related Upper Extremity Fractures. Combined Sections Meeting of the American Physical Therapy Association; Jan 23-26, 2019, 2019; Washington DC.
12. **Mehta SP**, Morelli N, Prevatte C, White D. Validating Short Physical Performance Tests in Individuals Consulting for Total Knee Replacement Surgery. Presented at the Annual Conference of the West Virginia Physical Therapy Association held April 20-April 22, 2018 at Roanoke, West Virginia.
13. Beasley KD, Bowyer AR, Londino OR, **Mehta SP**. Management of Distal Radius Fracture by Certified Hand Therapists: A Qualitative Study. Presented at the Annual Combined Section Meeting of the American Physical Therapy Association held Feb 21-24, 2018 at New Orleans, LA, USA.
14. Alain GN, Molnar CL, Moyer TS, **Mehta SP**. Prognostic Factors for the Poor Pain and Upper Extremity Functions after Distal Radius Fracture: A Systematic Review. Presented at the Annual Combined Section Meeting of the American Physical Therapy Association held Feb 21-24, 2018 at New Orleans, LA, USA.
15. Leslie R, Park C, Roberts R, **Mehta SP**. A Systematic Review of the Measurement Properties of the Shoulder Pain and Disability Index. Presented at the Annual Conference of the West Virginia Physical Therapy Association held April 21-April 23, 2017 at Roanoke, West Virginia.
16. **Mehta SP**, Erickson M, Stralka S. Management of Complex Regional Pain Syndrome following Upper Extremity Trauma. Educational session presented at the Annual Combined Section Meeting of the American Physical Therapy Association held Feb 15-18, 2017 at San Antonio, TX, USA.
17. Shafer DR, George HR, Goering CA, **Mehta SP**. Measurement Properties of the Push-Off Test in Patients with Wrist Conditions. Presented at the Annual Combined Section Meeting

of the American Physical Therapy Association held Feb 15-18, 2017 at San Antonio, TX, USA.

18. Wesney J, Rigney A, Webb K, **Mehta SP**, Oliashirazi A, Shuler FD. Characterizing Recovery Trajectories in Knee Range of Motion in Patients Following Total Knee Replacement. Presented as poster at the Annual Conference of the West Virginia Physical Therapy Association held April 29-May 1, 2016 at Roanoke, West Virginia.
19. **Mehta SP**, Davis AM, Perruccio AV. Association between Pre-surgery Characteristics and Participation Outcomes Following Total Knee Replacement. Presented as poster at the World Congress of the Osteoarthritis Research Society International held March 31-April 3, 2016 at Amsterdam, The Netherlands.
20. Michlovitz S, Karagiannopoulos C, **Mehta SP**, MacDermid JC, Huang JI. An ICF-Based Clinical Practice Guideline for Distal Radius Fractures. Presented at the Annual Combined Section Meeting of the American Physical Therapy Association held Feb 17-20, 2016 at Anaheim, CA, USA.
21. Willis KL, McBride MM, Workman KJ, **Mehta SP**. A Systematic Review of the Measurement Properties of the Carpal Tunnel Questionnaire. Presented at the Annual Combined Section Meeting of the American Physical Therapy Association held Feb 17-20, 2016 at Anaheim, CA, USA.
22. **Mehta SP**, Fulton A, Quach C, Thistle M, Toledo C, Evans NA. Measurement properties of the lower extremity functional scale: a systematic review. *Physiotherapy*. 2015.101:e992-e993. Presented at the World Congress of Physical Therapy held May 1-4, 2015 at Singapore.
23. **Mehta SP**, Sankar A, Venkataramanan V, Davis AM. Cross-cultural validation of the ICOAP, physical function short forms of the HOOS, KOOS in patients with hip and knee osteoarthritis. *Physiotherapy*. 2015.101:e991-e992. Presented at the World Congress of Physical Therapy held May 1-4, 2015 at Singapore.
24. Riffle A, Fisher Z, Matlick J, **Mehta SP**. Systematic Review of Home Physiotherapy following Total Knee Replacement Surgery. Presented at 2nd Annual Marshall University College of Health Professions Research Day held April 10, 2015 at Huntington, WV.
*Recipient of Best paper Award in Graduate Students' Category
25. **Mehta SP**, Palaganas M, Perruccio AV, Davis AM. Do Women Have Poorer Outcomes Following Total Knee Replacement for Osteoarthritis? Presented at the World Congress of the Osteoarthritis Research Society International held Apr 24-27, 2014 at Paris, France.
26. **Mehta SP**. Evidence-Based Use of Outcome Measures. Presented at the Annual Conference of the West Virginia Physical Therapy Association held April 4-6, 2014 at Roanoke, WV.
27. Mehta SP, MacDermid JC, Richardson J, MacIntyre NJ, Grewal R. Can Baseline Pain Predict the Risk of Chronic Pain in Patients with Distal Radius Fracture? Presented at the Annual Combined Section Meeting of the American Physical Therapy Association held Feb 2-6, 2014 at Las Vegas, NV, USA.

28. **Mehta SP**, Tiruttani R, Kaur M, MacDermid JC, Modi C. Poster Presentation at 9th Triennial Congress of the International Federation of Societies for Hand Therapy (IFSHT), New Delhi, India March 4-8, 2013.
29. **Mehta S**, Law M, Roy JS. A Systematic Review of the Health-related Quality of Life Measures following Total Knee Arthroplasty. *Presented at the 2011 ACRM-ASNR Annual Conference held Oct 11-15, 2011 at Atlanta, GA, USA.*
30. **Mehta SP**, MacDermid JC. A Systematic review of Psychometric Properties of the Patient-rated Wrist Evaluation. Presented at the 34th Annual Meeting of the American Society of Hand Therapists on September 24, 2011 held at Nashville, TN, USA
31. **Mehta SP**, MacDermid JC, Mhatre, B, Mehta A. Psychometric Properties of the Hindi version of the Patient-rated Wrist/Hand Evaluation. Presented at 16th Congress of the World Confederation for Physical Therapy on June 23, 2011 held at Amsterdam, Netherlands
32. **Mehta S**, MacDermid JC, Mhatre, B, Mehta A. Reliability and Validity of the Hindi version of Patient-rated Wrist/Hand Evaluation. Presented at 8th Triennial Congress of the International Federation for Society of Hand Therapists on June 25, 2010 held at Orlando, USA
33. **Mehta S**, Shay BL. Kinematic Analysis of Bilateral Knee Joints during Gait before and after Cortisone Injection in Knee Arthritis. World Confederation of Physical Therapy Congress on June 6, 2007 held at Vancouver, Canada
34. **Mehta S**, Jean-Sebastien, R. Benefits of Home-based Physiotherapy Following Hip Fracture Surgery: A Systematic Review and Meta-analysis of Randomized Controlled Trials. Presented at the 39th Annual Scientific and Educational Meeting of the Canadian Association of Gerontology on December 4, 2010 held at Montreal, Canada
35. **Mehta S**, MacDermid JC. Using QuickDASH in patients with Neck Pain: A Validity Study. Presented at Eastern Canada Health Outcome Measures Meeting (ECHO) on June 9, 2009 held at Montreal, Canada
36. **Mehta S**, MacDermid JC, Tremblay M. Chronic Pain in Upper Extremity following Distal Radius Fracture: A Review of Relevant Chronic Pain Models. Ontario Physiotherapy Association Congress on March 28, 2009 held at London, Ontario
37. **Mehta S**, Shay BL. Kinematic Analysis of Lower Limbs in Human Subjects with Leg Length Discrepancies. Canadian Physiotherapy Association Congress on July 1, 2006 held at Saint John, NB, Canada

Non-Peer Reviewed Publications N/A

Invited (Non-Peer Reviewed) Presentations

Mehta SP. Understanding Approaches to Assess Frailty in Older Adults. Invited Lecture, Spinex Global, Surat, India Aug 12, 2020.

Mehta SP. Understanding Frailty in Older Adults. Invited Lecture, West Virginia Geriatric Society, Charleston, WV, USA Sept 13, 2018.

Mehta SP. Using Assistive Devices to Enhance Mobility. Invited Lecture, Marshall

University School of Medicine, Huntington, WV, USA April 9, 2018

Mehtha SP. Screening the Risk of Adverse Outcomes after Wrist Fractures. Invited Lecture, Marshall University School of Medicine, Holzer Medical Center, Gallipolis, Ohio, USA March 13, 2018

Mehtha SP. Distal Radius Fractures: Do we treat them too little or too much? Invited Panel Member, 9th Triennial Congress of the International Federation of Societies for Hand Therapy (IFSHT), New Delhi, India March 4-8, 2013

Mehtha SP. Screening for the Risk for Falls in Individuals with Distal Radius Fracture. Invited Speaker, 5th Annual MacHAnD Day of Evaluation and Management of the Upper Extremity, Hamilton, Ontario, Canada November 29, 2012

Mehtha SP. Evidence-Based Rehabilitation for Physiotherapy Students. Invited Speaker, Sarvajanic College of Physiotherapy, Surat, India October 21, 2010

Mehtha SP. Changes in Hip, Knee, and Ankle Kinematics in Individuals with Leg Length Discrepancy. Invited Speaker, Surat Physiotherapy Association, India May 29, 2008.

Funded Grant/Scholarship Activity

Clinical Practice Guidelines Development Grant, American Physical Therapy Association: “Rehabilitation Management of Distal Radius Fracture: Clinical Practice Guidelines Linked to the International Classification of Functioning, Disability and Health”. Role: Lead Guideline Developer; Funded. \$9000; 1/2021 - April 2024

Foundation Research Grant, Foundation for Physical Therapy: “A Pilot Randomized Controlled Trial to Assess the Implementation and Outcomes of GLA:D Program in West Virginians Suffering from the Osteoarthritis of the Knee.” Role: Principal Investigator (35% effort); Funded. \$40000; 1/2020 - current

Clinical Research Program Grant, Academy of Orthopedic Physical Therapy: “Feasibility and Acceptability of GLA:D® Rehabilitation Program in West Virginians Who Suffer from Osteoarthritis of the Knee.” Role: Principal Investigator (35% effort); Unfunded. \$39333; 11/2018

Leslie Harris Grant, Academy of Hand and Upper Extremity Rehabilitation: “Determining the Indices of True Change, Patient Acceptable Symptoms Status, and Known-Group Validity for the Carpal Tunnel Questionnaire in Patients following Carpal Tunnel Release.” Role: Principal Investigator (35% effort); Funded. \$4995; 10/2018 - current

Marshall University Faculty Research Grant; “Assessing Frailty in Individuals with Knee Arthritis Consulting for Potential Total Knee Replacement Surgery.” Role: Faculty Research Adviser; Funded. US\$250; 10/2018

Marshall University Faculty Research Grant; “Expectations of Individuals Who Undergo Total Knee Replacement: A Qualitative Study.” Role: Principal Investigator; Funded. US\$250; 10/2016

INCO Grant - Marshall University, Research Foundation; Funded. US\$1000; 5/2016

Quinlan Grant - Marshall University, Research Foundation; Funded. US\$500; 2/2016

WVU-Marshall University Health Grants Partnership: “Assessing the Effectiveness of Vitamin K2 and/or Vitamin D3 Supplementation on Neuromuscular Function, Muscular Strength, and Bone Density in Older Patients with Hip Fractures.” Role: Co-Investigator (15% effort); Funded. \$49,995; 01/2016

WVU-Marshall University Health Grants Partnership: “Validation of Pediatric Fitness Test.” Nov 2015. Role: Co-Investigator; Unfunded. \$42,678.

Quinlan Grant - Marshall University, Research Foundation; Funded. US\$500; 5/2015

American Hand Therapy Foundation – Burkhalter Young Investigator Grant: “Characterizing the Responsiveness, Minimal Clinically Important Difference, and Patient Acceptable Symptom State for the Boston Carpal Tunnel Questionnaire in Individuals Following Carpal Tunnel Release Surgery”. Feb 2015. Role: PI; Unfunded. \$4985

American Society of Hand Therapists – Founders Grant: “Profiling the Risk for Chronic Pain following Distal Radius Fracture in Hand Therapy Practice: Can Pain Intensity at Initial Assessment be Useful? Feb 2015. Role: PI; Unfunded. \$4538

INCO Grant - Marshall University, Research Foundation; Funded. US\$1000; 10/2013

Knowledge Translation Scholarship - School of Rehabilitation Science, McMaster University, Canada; Funded. C\$2000; 2/2012-10/2012

American Society of Hand Therapists Evelyn Mackin Grant: “Developing a Screening Tool for Assessing Risk Profile of Patients following Distal Radius Fracture: A Literature Synthesis and Psychometric Analysis.”; Role: PI; Funded. \$3000; 9/2011-8/2012.

Frederick Banting and Charles Best Canada Graduate Scholarship - Canadian Institute of Health Research (CIHR); Funded. C\$70,000; 09/10-08/12

CIHR Musculoskeletal Pain Grant; Funded. C\$40,000; 09/10-08/12

CIHR Travel Award - Institute of Musculoskeletal Health and Arthritis; Funded. C\$1,000; 04/12-05/12

Knowledge Translation Scholarship - School of Rehabilitation Science, McMaster University, Canada; Funded. C\$2000; 5/2011-9/2011

Canadian Association of Gerontology Travel Award; Funded. C\$185; 12/10

CIHR Quality of Life (QOL) Scholarship; Funded. C\$35,700; 09/08-08/10

Principle Investigator “Systematic Review of Home Physiotherapy Following Hip Fracture Surgery.” Community Rehab, Ontario, Canada Literature Review Grant; Funded. C\$1300; 4/2010-6/2010.

Basmajian Travel Award, Scholl of Rehabilitation Sciences, McMaster University, Canada; Funded. C\$200; 06/10

CIHR QOL Scholarship - Research Practicum Grant; Funded. C\$2,000; 07/09-05/10

Ontario Rehabilitation Research Advisory Network Musculoskeletal Research Scholarship; Funded. C\$5,000; 01/09-12/09

Graduate Student Travel Award, University of Manitoba, Canada; Funded. C\$500;06/06

Other Scholarly Products

Mehta SP, Modi C, Tiruttani, R. Hindi Translation of the Disabilities of Arm, Shoulder, and Hand Questionnaire. Available at: <http://dash.iwh.on.ca/available-translations>

Mehta S, MacDermid JC. *User’s Manual: Patient-Rated Wrist Evaluation*. Knowledge Translation Project for the Comprehensive Examination for the PhD Program. Hamilton, ON: School of Rehabilitation Science, McMaster University; 2011.

Mehta S. *Predicting Risk for Adverse Outcomes Following Distal radius Fracture*. Doctoral Dissertation. Hamilton, ON: School of Rehabilitation Science, McMaster University; 2012.

Membership in Scientific/Professional Organizations

American Physical Therapy Association: 2011 -present

Canadian Physiotherapy Association: 2006 - 2013

American Society of Hand Therapists: 2011 -

International Society for Quality of Life Research: 2009 - 2010

Surat City Physiotherapy Association, India: 1997 - 2002

Consultative and Advisory Positions Held

Research Advisorship

Graduate Supervision: DPT: 15 projects (44 students) completed, 7 projects (21 students) in progress;

MSc (Physiotherapy): 3 projects (10 students) completed

Medical Resident Research Supervisor: 4 projects (7 students) completed

External Graduate MSc (thesis-based) Examinations: 1 completed

Panel Member

American Physical Therapy Association Clinical Practice Guideline for Distal Radius Fractures (2015-current)

Editorial Board Member

Critical Reviews™ in Physical and Rehabilitation Medicine (2014 -)

Manuscript reviewer (Chronological Order)

Arthritis Care and Research, 2010-
Physiotherapy theory and Practice, 2010-
Gerontology, 2011-
Journal of Hand Therapy, 2011-
Journal of Applied Bionics and Biomechanics, 2013-
Critical Reviews in Rehabilitation, 2013-
Journal of Rehabilitation Medicine, 2014-
Journal of Medical Internet Research, 2014-
Physiotherapy, 2014-
Journal of Orthopedic and Sports Physical Therapy, 2016-
BMJ Open, 2016-
Health and Quality of Life Outcomes, 2016-
Osteoarthritis and Cartilage, 2017-
PLOS One, 2018-
Disability and Rehabilitation, 2019-

Research/Grant Peer Reviewer

Canadian Society of Hand Therapists Annual Conference (2012)
University of Kentucky-Marshall University Center for Clinical and Translational
Science Research Grant (2014)
World Congress for the World Confederation of Physical Therapists (2015, 2017, 2019)
West Virginia Physical Therapy Association Annual Conference (2014-2020)
Academy of Hand and Upper Extremity Physical Therapy, APTA CSM 2017-2020

Community Service

Volunteer Physiotherapist, Marshall University Annual Marathon, 2013-2017, Huntington, West Virginia, USA

Volunteer Physiotherapist during Manitoba Marathon in the year 2004 and 2005, Winnipeg, Manitoba, Canada

Chief Physiotherapist of a rehabilitation team from Surat city in India that worked towards rehabilitating the earthquake survivors in Gujarat, India in 2001

Organized and volunteered in two Physiotherapy Awareness Camps in rural community from Shree Swaminayan College of Physiotherapy in September 1999; August 2000

Services to the University/College/School on Committees/Councils/Commissions

Marshall University

Member of Faculty Senate - Sept 2018-June 2020

Member of Physical Facilities and Planning Committee - Marshall University (Oct 2017 – till date)

Member of Graduate Council - Marshall University (Aug 2015 – April 2017)

Member of Academic Planning subcommittee of Graduate Council - Marshall University (Sep 2015-April 2017)

College of Health Professions

Member of Research Committee (Jan 2014 - May 2018; Aug 2020 - current)
Member of Curriculum Committee (May 2015 - present)
Faculty Recruitment Committee (February 2015-May 2015; April 2018-July 2018)

Physical Therapy Department

Chair of Recruitment Faculty Search Committee (August 2018 - July 2020)
Member of the Research Committee (March 2015 - Current)
Member of Curriculum Committee (Oct 2013 - Aug 2018)
Member of Recruitment/Faculty Search Committee (April 2014 - July 2020)

Honors and Awards

Pickens-Queen Teaching Award, Marshall University, Finalist 2017-2018

Excellence in Reviewership Award 2014 - presented by Elsevier Publications for reviewing scientific publications for the Journal of Hand Therapy

Outstanding Thesis Award - Faculty of Health Sciences McMaster University, Canada presented on May 23, 2013 at Faculty of Health Sciences Research Plenary.

Rehabilitation Science Program Excellence Award - Faculty of Health Sciences, McMaster University, Canada presented on May 16, 2012 at Faculty of Health Sciences Research Plenary.

Outstanding Achievement Award - Faculty of Health Sciences, McMaster University, Canada presented on May 16, 2012 at Faculty of Health Sciences Research Plenary.

Continuing Education Attended (activities for the last 5 years listed)

February 2020	Combined Sections Meeting, American Physical Therapy Association held at Denver, CO, USA between February 12-15, 2020
June 2019	11 th Triennial Meeting of the International Federation of Societies for Hand Therapy held at Berlin, Germany between June 17-21, 2019
January 2019	Combined Sections Meeting, American Physical Therapy Association held at Washington, DC, USA between January 23-26, 2019
April 2018	Annual Meeting of West Virginia Physical Therapy Association held at Roanoke, WV, USA Apr 20-22, 2018.
October 2017	Annual Meeting of American College of Rehabilitation Medicine held at Atlanta, GA, USA between October 23-28, 2017
February 2017	Combined Sections Meeting, American Physical Therapy Association held at San Antonio, TX, USA between February 15-19, 2017

- April 2017 Annual Meeting of West Virginia Physical Therapy Association held at Roanoke, WV, USA Apr 21-23, 2017.
- February 2017 Combined Sections Meeting, American Physical Therapy Association held at San Antonio, TX, USA between February 15-19, 2017
- April 2016 World Congress of Osteoarthritis Research Society International held at Amsterdam, The Netherlands between March 31-April 3, 2016.
- February 2016 Combined Sections Meeting, American Physical Therapy Association held at Anaheim, CA, USA between February 17-21, 2015
- May 2015 World Congress of Physical Therapy, Amsterdam, Netherlands, held between June 20-23, 2011

Current Teaching Responsibilities in the Entry-Level Program (in sequence, by quarter or semester)

Marshall University

Year 1

Summer

Course Coordinator: PT 761 Evidence Based Practice I
 Course Assistant: PT 710 Introduction to Human Movement
 Course Coordinator: Scott Davis, PT, EdD, OCS

Fall

Course Coordinator: PT 731 Clinical Skills 1

Lecturer/Faculty Facilitator: PT 771 Clinical Application Seminar and Experiences (CASES) I
 Course Coordinator: Brad Profitt, DPT, OCS, DC

Spring

Course Coordinator: PT 763 Evidence-based Practice II

Lecturer/Faculty Facilitator: PT 772 Clinical Application Seminar and Experiences (CASES) II
 Course Coordinator: Brad Profitt, DPT, OCS, DC

Facilitator for Skills Lab: PT 783 Cardio-pulmonary Rehabilitation
 Course Coordinator: Sujoy Bose, DPT, CCS

Year 2

Summer

Course Coordinator: PT 713 Human Movement III

Fall

Faculty Mentor: PT 764 Evidence-based Practice III

Lecturer/Faculty Facilitator: PT 774 Clinical Application Seminar and Experiences (CASES) IV

Course Coordinator: Brad Profitt, DPT, OCS, DC

Spring

Course Co-Coordinator: PT 786 Rehabilitation Considerations in Special Populations - Geriatrics Rehabilitation

Faculty Mentor: PT 765 Evidence-based Practice IV

Lecturer/Faculty Facilitator: PT 775 Clinical Application Seminar and Experiences (CASES) V

Course Coordinator: Brad Profitt, DPT, OCS, DC

Year 3

Summer

Faculty Mentor: PT 766 Evidence-based Practice V

Spring

Faculty Mentor: PT 767 Evidence-based Practice VI