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| **BIOGRAPHICAL SKETCH** |
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| NAMEFedorczyk, Jane M. | POSITION TITLEClinical ProfessorCoordinator, Hand Certificate Program |
| eRA COMMONS USER NAME (credential, e.g., agency login) |
| **EDUCATION/TRAINING**  |
| INSTITUTION AND LOCATION | DEGREE*(if applicable)* | MM/YY | FIELD OF STUDY |
|  |  |  |  |
| University of Delaware | B.A.  | 1980-1984 | Athletic Training/Pre-PT |
| Beaver College (now Arcadia University ) | M.S.  | 1984-1986 | Physical Therapy  |
| Temple University  | PhD | 1999-2007 | Physical Therapy |
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**A. Personal Statement**

My primary interests are in the evaluation and management of patients with elbow, wrist, and hand musculoskeletal conditions, especially tendinopathies and nerve injuries. These interests include determining the most appropriate tests and measures to be used to evaluate the components of the ICF model (impairments, functional limitations, participation, environmental and personal factors), understanding the histopathological changes associated with the condition, and identifying the plan of care based on the findings of the clinical and/or histopathological examination. Ideally, I would like to develop correlations between the histopathological changes observed with the clinical findings in tendinopathies to describe a treatment classification model. Additionally, I am interested in evaluating interventions that optimize recovery following nerve injury.

**B. Positions and Honors**

**Positions and Employment**

Academic Positions

1993-2007 Assistant Professor and Coordinator, Programs in Hand and Upper Quarter Rehabilitation (Certificate, MHS), Programs in Physical Therapy and Rehabilitation Sciences, Drexel University, Philadelphia, PA

2008-2011 Clinical Associate Professor and Director, Post-Professional Clinical Programs, Department of Physical Therapy and Rehabilitation Sciences, Drexel University, Philadelphia, PA

2012-2015 Clinical Professor and Director, Post-Professional Clinical Programs, Department of Physical Therapy and Rehabilitation Sciences, Drexel University, Philadelphia, PA

2016 - Clinical Professor and Coordinator, Advanced Practice Certificate in Hand and Upper Quarter Rehabilitation, Department of Physical Therapy and Rehabilitation Sciences, Drexel University, Philadelphia, PA

Selected Clinical Positions

1986 -1988 Physical Therapist/Shoulder Coordinator, Hand Rehabilitation Center, Philadelphia, PA,

1988 -1989 Director of Hand and Work Rehabilitation**,** Ergo-Rehab, Fremont, CA

1989 -1991 Director of Hand Therapy, University of California-San Francisco

1995- Per Diem Physical Therapist**,** Philadelphia Hand Centers, Philadelphia, PA

2005- Physical Therapist, Drexel University Physical Therapy Services

**Other Experience and Professional Memberships**

1983 - Member, American Physical Therapy Association (APTA)

1992 - Member, American Society of Hand Therapists (ASHT)

1998 - Member, International Association for the Study of Pain (IASP)

2011 - Affiliate Member, American Association of Hand Surgery (AAHS)

2014 - Affiliate Member, American Society for Surgery of the Hand (ASSH)

2015 - Member, American Occupational Therapy Association (AOTA)

2016 Immediate Past-President, ASHT

2015 President, ASHT

2014 President-elect, ASHT

2013 Vice President, ASHT

2012 Senior Board Member-at-Large, ASHT

2010-11 Board Member-at-Large, ASHT

2007-11 Secretary, American Hand Therapy Foundation

1993-97. Vice President, Hand Rehabilitation Section, APTA,

2011-12 Vice President, Hand Rehabilitation Section, APTA, appointed to complete a term

1997-2001 Chair,Research Committee, Hand Rehabilitation Section, APTA

2004 Member**,** Research Division, ASHT

2010 Reviewer, BMC Musculoskeletal Disorders, 2010 - present

2008 Reviewer, Clinical Anatomy, 2008 - present

2011 Reviewer, Hand, AAHS, 2008 - present

1998 Reviewer, Journal of Hand Therapy, ASHT, 1998-present

2000 Reviewer, Journal of Orthopedic & Sports Physical Therapy, APTA, 2000 – present

2007 Reviewer, Elbow Complaints, Occupational Medicine Practice Guidelines, 2nd ed., American College of Occupational and Environment Medicine, 2007

**Awards and Honors:**

**2013 President’s Award** for Outstanding Service as a member of the 2012 and 2013 Awards Committee, by American Society of Hand Therapists, 36th Annual Meeting, Chicago, IL, October 26, 2013.

**2013 International Travel Award**, Drexel University, $750.00; for travel expenses to the IFSHT Congress in New Delhi, India (see invited presentations)

**2011 President’s Gold Award** for Outstanding Service as a member of the ASHT Board of Directors, by American Society of Hand Therapists, 34th Annual Meeting, Nashville, TN, September 24, 2011 for elected board service from January 2010 to December 2011.

**2006 R.L. Petzoldt Award** for Innovation in Hand Therapy for scientific paper, “The Presence of NMDAr1 in Forelimb Tendons in a Model of Upper Extremity Work-related Musculoskeletal Disorder,” by American Society of Hand Therapists, 29th Annual Meeting, Atlanta Georgia. This award recognizes creativity and innovations in hand therapy and is awarded only during years when the research is deemed worthy of this special honor.

**2005 Best Scientific Paper Award**, “The Presence of Substance P in Forelimb Tendons in a Model of Upper Extremity Work-Related Musculoskeletal Disorder,” American Society of Hand Therapists, 28th Annual Meeting, San Antonio, Texas.

**C. Selected Peer-reviewed Publications**

**Most relevant to current application**

1. Seftchick JL DeTullio LM, **Fedorczyk JM**: Clinical Examination of the Hand. In Skirven TM, Osterman AL, Fedorczyk JM and Amadio PC (eds): Rehabilitation of the Hand and Upper Extremity, 6th edition, Elsevier-Mosby, St. Louis, 2011.
2. **Fedorczyk, JM**, Lucado AM, MacDermid JC, Yao J, Clinical Practice Guidelines for Elbow Tendinopathy, sponsored by APTA Orthopaedic and Hand Sections, to be published in JOSPT in 2015, *in process.*

## Fedorczyk JM: Tendinopathies of the Elbow, Wrist, and Hand: Histopathology and Clinical Considerations, Basic Science: The Building Blocks to Clinical Practice, Journal of Hand Therapy.2012 Apr-Jun;25(2):191-200.

1. **Fedorczyk JM**, Barr AE, Rani S, Gao HG, Amin M, Amin S, Litvin J, Barbe MF. Exposure-dependent increases in IL-1beta, substance P, CTGF, and tendinosis in flexor digitorum tendons with upper extremity repetitive strain injury. J Orthop Res. 2010 Mar;28(3):298-307.
2. **Fedorczyk JM**: Tennis Elbow: Blending Basic Science with Clinical Practice. Journal of Hand Therapy, 19(2), 146-153, 2006.
3. **Fedorczyk JM**: The Role of Physical Agents in Modulating Pain. Journal of Hand Therapy, 10(2), 110-121, 1997.

**Additional recent publications of importance to the field (in chronological order)**

1. **Fedorczyk JM**: Elbow Tendinopathies: Clinical Presentation and Conservative Management. In Skirven TM, Osterman AL, **Fedorczyk JM** and Amadio PC (eds): Rehabilitation of the Hand and Upper Extremity, 6th edition, Mosby, 2011.
2. **Fedorczyk JM**: Pain Management: Principles of Therapist’s Intervention. In Skirven TM, Osterman AL, **Fedorczyk JM** and Amadio PC (eds): Rehabilitation of the Hand and Upper Extremity, 6th edition, Mosby, St. Louis, 2011.
3. **Fedorczyk JM**: The Use of Physical Agents in Hand Rehabilitation. In Skirven TM, Osterman AL, **Fedorczyk JM** and Amadio PC (eds): Rehabilitation of the Hand and Upper Extremity, 6th edition, Mosby, St. Louis, 2011.
4. Bertini T, Laidig T, Pettit N, Read C, Scarneo M, Wylykanowitz M, **Fedorczyk JM**,
5. Skirven TM: Management of Common Sports Injuries. In Skirven TM, Osterman AL, **Fedorczyk JM** and Amadio PC (eds): Rehabilitation of the Hand and Upper Extremity, 6th edition, Mosby, St. Louis, 2011.
6. **Fedorczyk JM, Michlovitz SL:** Clinical Applications of Modalities for Impairments: Pain and Loss of Motion. In Michlovitz SL and Nolan TP (eds): Modalities for Therapeutic Intervention, ed. 4, FA Davis, 2005.

**D. Research Support**

**Ongoing Research Support**

Source of support: CTRI, Drexel University, College of Medicine
Title: Hand Function Augmentation using the Exo-skin Tendon Actuated Soft Exoskeleton in Patients with Distal Radius and Metacarpal Fractures

Role in project: PI

Support Requested: $ $74,991.00

Submitted: May 29, 2014

Notified: August 29, 2014

Total Award (no indirects): $75,000.00

**Completed Research Support**

External

Source: American Association of Hand Surgery (AAHS)

Received: $5000.00 for research supplies on March 31, 2005

Title: Neurochemical Response in Forelimb Tendons in a Rat Model of Upper Extremity Work-related Musculoskeletal Disorder

Role PI

Source: American Society of Hand Therapists (ASHT)

 Evelyn Mackin Grant for Research in Hand Therapy

Received: $5000.00 for research supplies on September 23, 2005

Title: Neurochemical Response in Forelimb Tendons in a Rat Model of Upper Extremity Work-related Musculoskeletal Disorder

Role PI

Internal

Source: College of Nursing and Health Professions,

Received: $3300.00 for ELISA kits May 2005

Title: Neurochemical Response in Forelimb Tendons in a Rat Model of Upper Extremity Work-related Musculoskeletal Disorder

Role PI