

CURRICULUM VITAE

Clay M. Kelly, MD
Physical Medicine and Rehabilitation
Louis Stokes Veteran's Administration Medical Center
10701 East Boulevard
Cleveland, Ohio 44106
E-mail: clay.kelly@va.gov

APPOINTMENTS

October 14, 2007 to Present	Chief of Service PM&R Residency VA Site Director Physical Medicine and Rehabilitation Louis Stokes VA Medical Center Cleveland, Ohio
September, 2014 to present	Medical Director Advanced Platform Technology (APT) Center Louis Stokes VA Medical Center Cleveland, Ohio
September, 2010 to September 2014	Associate Medical Director Advanced Platform Technology (APT) Center Louis Stokes VA Medical Center Cleveland, Ohio
January 1, 2011 to Present	Medical Director - PolyTrauma Amputee Network Site (PANS) Louis Stokes VA Medical Center Cleveland, Ohio
August 1997 to September 2007	Medical Director for Outpatient Rehabilitation Department of PM&R MetroHealth Medical Center Cleveland, Ohio
January 1999 to August 1999	Interim Medical Director Occupational Medicine Program Department of PM&R MetroHealth Medical Center Cleveland, Ohio
January 1996 to January 1998	Medical Director for Subacute Rehabilitation MetroHealth Medical Center Cleveland, Ohio

January 1994 to September 2007 Chief, Amputee Rehabilitation Program
Department of PM&R
MetroHealth Medical Center
Cleveland, Ohio

July 1991 to October 2007 Staff Physiatrist
Department of Physical Medicine and Rehabilitation
MetroHealth Medical Center
Cleveland, Ohio

Academic Appointments

July 1999 to Present Assistant Professor Physical Medicine and
Rehabilitation
Department of Physical Medicine and Rehabilitation
Case Western Reserve University
Cleveland, Ohio

July 1991 to June 1999 Senior Instructor of Medicine
Case Western Reserve University
Cleveland, Ohio

EDUCATION AND TRAINING

POSTDOCTORAL

1990 to 1991 Chief Resident, Department of Physical Medicine
And Rehabilitation
MetroHealth Medical Center/
Case Western Reserve University
Cleveland, Ohio

1987 to 1990 Intern and Resident
Department of Physical Medicine and Rehabilitation
MetroHealth Medical Center/
Case Western Reserve University
Cleveland, Ohio

GRADUATE

1983 to 1987 Creighton School of Medicine
Omaha, Nebraska
Doctor of Medicine May 1987

CERTIFICATIONS

May 20, 1992 American Board of Physical Medicine and
Rehabilitation
Diplomate
Certificate Number 3849

July 1, 1988 National Board of Medical Examiners
Diplomate
Certificate Number 345524

AFFILIATIONS

November 15, 1992 American Academy of Physical Medicine and
To November 15, 2008 Rehabilitation
Fellow Member

LICENSURE

Ohio 35-06-1573-K

PUBLICATIONS

Hegstad SJ, Smith AA, Patterson BM, Kelly CM, Meland MB: **Functional Lower Limb Salvage with an Osteocutaneous Filet Flap of the Foot.** Ann Plast Surg 1996; 36:413-416.

Frost FS, Kelly CM, McCarthy W: **High Resolution Real-Time Ultrasonography for the Diagnosis of Venous Thrombosis in the Rehabilitation Setting.** Am J PMR 1991; 70:3-4.

CHAPTERS

Kelly CM: Skin Disorders and their Management, in Prosthetics and Patient Management: A Comprehensive Clinical Approach. Kevin Carroll CP Editor, SLACK Inc. 2006

Kelly CM: Mechanisms and Classifications of Spinal Cord Injury, in Litigating Spinal Cord Injuries: Law, Medicine, and Economics. Mark Kosieradzke Ed., Wiley Law Publications, New York 1995.

Research and Grants

US Department of Veteran's Affairs Rehabilitation, Research & Development, "Self Management to Improve Function following Amputation." (2014 – 2018)

Role: Site Primary Investigator and Co-Investigator

\$1.1M

Advanced Platform Technology Center of Excellence, Innovation Incentive II, "Advanced Materials for Water Managing Prosthetic Socket Liners", (2013-2014)

Role: Co-Investigator

\$20K

National Institutes of Health (NIH) Director's Transformative R01 Research Award, 1R01NS081710 - 01, "Restoring upper limb movement sense to amputees; a move towards natural control of prosthetic limbs", (2013-2017)

Role: Co-Investigator

\$1.3M

Defense Advanced Research Project Agency (DARPA), Department of Defense, 61732-LS-DRP, Under P-1108-114403/DARPA-BAA-11-08 Reliable Peripheral Interfaces (RPI), "A touch feedback tactor array system for long-term implementation of physiologically relevant cutaneous touch with prosthetic limbs.", (2012-2015)

Role: Co-Investigator

\$1.2M

Co-Investigator - "*Fully Implanted System for Upper Limb Myoelectric Prosthesis control*"
Robert Kirsh, PhD. PI

COURSES Instructed

"Anatomy and Biomechanics of the Foot and Ankle" Biomechanics section given at the AAPMR Annual Meeting, Philadelphia, PA October, 2005.

ABSTRACTS

Kelly CM, Grecco KB, Philippbar S: The Pharyngeal Pouch: Diagnosis and Management. APMR 1994; 75(6): 727.

Wu PBJ, Kelly CM, Huang SQ: Sensory Nerve Temporal Dispersion: Normative Data in Upper Extremity Nerve Conduction. APMR 1991; 72: 813.

Huang SQ, WU PBJ, Kelly CM: The Collision Technique to "Purify" the Superficial Radial Sensory Response: A Preliminary Investigation. APMR 1990; 71: 793.

Vargo MM, Taylor CK, Kelly CM: Lower Cervical Denervation from Upper Segment Cord Compression. APMR 1990; 71: 813.

Kelly CM, Livingston SL: The Indication for Multiple Protheses in Below Knee Amputation. APMR 1989; 70: A-99

Honors and Awards

Cleveland Top Docs – Cleveland Magazine 2008 thru 2014, 2018
Cleveland Super Docs 2012 - 2014
Best Doctors in America 2007 – 2018
CWRU/MRIO Chair Award for Teaching 2014

Editorials/Commentary

Combining Amputee Services: O&P Business News
A fictional dialogue March 1, 2003

Media Appearances

WPCN **The Sound of Ideas** 07/22/09 Topic – Diabetes and Amputations.
WPCN **The Sound of Ideas** 08/31/11 Topic – Amputations and Prosthetics.
WPCN **The Sound of Ideas** 08/12/2014 Topic – Amputation Sensory feedback.

Lectures

“Pain and Phantom Pain in the Upper Extremity Amputee” 2018 Regional Upper Extremity Prosthetic and Orthotic Rehabilitation Course
Cleveland, Ohio
April 20, 2018

“Skin Conditions in the Amputee” 2017 Regional Lower Extremity Amputee Rehabilitation Course
Cleveland, Ohio
April 28, 2017

“Post-Amputation Pain Syndromes” 2017 Regional Lower Extremity Amputee

And their Management”	Rehabilitation Course Cleveland, Ohio April 28, 2017
“Pain and Phantom Pain in the Upper Extremity Amputee”	2016 Regional Upper Extremity Prosthetic and Orthotic Rehabilitation Course Cleveland, Ohio May 6, 2016
“Care of the Veteran Amputee”	<i>Treating the Healthcare Needs of the Veterans in the 21st Century.</i> Cleveland Clinic Foundation November 9, 2015
“Skin Conditions in the Amputee”	2015 Regional Lower Extremity Amputee Rehabilitation Course Cleveland, Ohio May 1, 2015
“Post-Amputation Pain Syndromes And their Management”	2015 Regional Lower Extremity Amputee Rehabilitation Course Cleveland, Ohio May 1, 2015
“Pain and Phantom Pain in the Upper Extremity Amputee”	2014 Regional Upper Extremity Prosthetic and Orthotic Rehabilitation Course Cleveland, Ohio April 25, 2014
“Post-Amputation Pain Syndromes And their Management”	2013 Regional Lower Extremity Amputee Rehabilitation Course Cleveland, Ohio May 3, 2013
“Skin Conditions in the Amputee”	2013 Regional Lower Extremity Amputee Rehabilitation Course Cleveland, Ohio May 3, 2013
“Pain and Phantom Pain in the Upper Extremity Amputee”	2012 Regional Upper Extremity Prosthetic and Orthotic Rehabilitation Course Cleveland, Ohio May 5, 2012

"Post-Amputation Pain Syndromes And their Management"	2011 Regional Lower Extremity Amputee Rehabilitation Course Cleveland, Ohio April 8, 2011
"Skin Conditions in the Amputee"	2011 Regional Lower Extremity Amputee Rehabilitation Course Cleveland, Ohio April 8, 2011
"Pain and Phantom Pain in the Upper Extremity Amputee"	2010 Regional Upper Extremity Prosthetic and Orthotic Rehabilitation Course Cleveland, Ohio April 23, 2010
"Phantom Pain in the Amputee"	Cleveland VA Med Center Pain Grand Rounds January 21, 2010
"Post-Amputation Pain Syndromes And their Management"	2009 Regional Lower Extremity Amputee Rehabilitation Course Independence, Ohio May 2, 2009
"Skin Conditions in the Amputee"	2009 Regional Lower Extremity Amputee Rehabilitation Course Independence, Ohio May 1, 2009
"Electronics in Lower Extremity Prosthetics: What we have and When to use it."	25 th Annual Physical medicine and Rehabilitation Update – University of Utah Park City, Utah January 31, 2009
"Care of the Amputee"	NEOCMN 2-Day Conference and Exhibit Westlake, Ohio May 23, 2009
"Care of the Amputee"	PM&R/SCI/Neurology Grand Rounds Louis Stokes Cleveland VA Med Center November 27, 2008
"Skin Conditions of the Amputee"	Ohio Chapter of the American Academy of Orthotics and Prosthetics (AAOP) October 11, 2008

"Pain in the Amputee"	Amputee Support Group Presentation MetroHealth Medical Center August 2007
"Pain in the Amputee"	Pain Grand Rounds Louis Stokes Cleveland VA Med Center May 2007
"What's New in Upper Extremity Prosthetics"	Engineering Monthly Rounds MetroHealth Medical Center November 2006
"What's New in Lower Extremity Prosthetics"	Engineering Monthly Rounds MetroHealth Medical Center October 2006
"Skin Conditions of the Amputee"	Hanger Prosthetics and Orthotics National Meeting February 2003 Reno, NV
"Rehabilitation of the Sole Flap"	MetroHealth Center for Rehabilitation Grand Rounds September 23, 2002 Cleveland Ohio
"Rehabilitation of the Sole Flap"	Maine Society of Orthopedics March 2002
"The team Approach to Amputee Rehabilitation"	Hanger Prosthetics and Orthotics National Meeting February 2002 Reno, NV
"Rehabilitation of the Sole Flap"	Hanger Prosthetics and Orthotics National Meeting February 2002 Reno, NV
"Rehabilitation of the Sole Flap"	Biennial Pacific Rim Prosthetics and Orthotics Conference February 2002 Kona, Hawaii
"Rehabilitation of the Amputee"	North East Ohio Rehabilitation Association December 1 st , 2000 Cleveland Ohio
"The Phantom (Pain) Menace"	Biennial Pacific Rim Prosthetics and Orthotics Conference February 6 th , 2000

Kauai, Hawaii

- "The Phantom (Pain) Menace" Second Annual Prosthetics and Orthotics Conference
January 24th, 2000
Winter Park, Colorado
- "The Filet of Sole Reconstruction to Preserve Below Knee Amputation level - Rehabilitation Issues" 15th Annual University of Utah Physical Medicine To and Rehabilitation Update.
February 3rd, 1999
Park City, Utah
- "The Filet of Sole Reconstruction to Preserve Below Knee Amputation level - Rehabilitation Issues" First Annual Prosthetics and Orthotics Conference and Rehabilitation Update.
January 26th, 1999
Winter Park, Colorado
- "Dysphagia: the State of the Art" Physical Medicine and Rehabilitation Grand Rounds
MetroHealth Medical Center
Cleveland, Ohio
1997

Teaching

- PM&R Residency VA Site Director October 14, 2007 to present
Cleveland VA Medical Center
- Resident Continuity Clinic June 2001 to September 2007
MetroHealth Medical Center
- Resident Didactics 1994 to 2008
Amputee section
MetroHealth Medical Center
- Rehab 5001 Amputee lecture From inception to 2007
Case Western Reserve University
- Resident Didactics 1991 to 2007
Foot and Ankle
MetroHealth Medical Center

Service

- Advanced Platform Technology (APT) Center Leadership Committee Cleveland VA Medical Center
09/2010 to present
- Medical Executive Committee Cleveland VA Medical Center
10/2007 to present

Peer Review Committee	Cleveland VA Medical Center 10/2007 to present
Blind Rehab Committee (Chair)	Cleveland VA Medical Center 06/2009 to present
Executive Committee	MetroHealth Department of PM&R 2001 to 2007
MetroHealth Leadership Institute 2002	April - November 2002
Practice Plan Committee	Department of PM&R 1994 to 2001
Outpatient Management Committee – Chair	Department of PM&R 1997 to 2007
Resident Education Committee	Department of PM&R 1993 to 2007
PM&R Vision Advocacy Council	MetroHealth Rehabilitation Institute of Ohio 1995 to 2007