

Vincent John Hetherington D.P.M., M.S.
Senior Associate Dean Kent State University College of Podiatric Medicine
Professor, Division of Surgery and Biomechanics
D.A.P.B.S., F.A.C.F.A.S., F.A.S.P.S., F.A.C.P.M., F.R.C.P.S. (Glasgow)

CURRICULUM VITAE

EDUCATION:

Premedical:
Saint Francis College
180 Remsen Street, Brooklyn, New York
B.S. in Biology Awarded September,
1973.

Podiatric Education:
Temple University School of Podiatric Medicine.
(Formerly the Pennsylvania College of Podiatric Medicine)
Eighth at Race Street, Philadelphia,
Pennsylvania 19107
Doctor of Podiatric Medicine Awarded in
June 1977.

Master of Science Program in Podiatric Surgery
Temple University School of Podiatric Medicine.
(Formerly the Pennsylvania College of Podiatric Medicine)
Master Thesis entitled A Retrospective Analysis of Technetium and
Combined Technetium and Gallium Scans in the Neurotrophic Foot.
M.S. Awarded June 1981.

OTHER EDUCATIONAL PROGRAMS ATTENDED

Executive Management Series in Health Care, Case Western Reserve University, Weatherhead School of Management, 1994 - 1995 Series

Executive Management Series in Health Care, Case Western Reserve University, Weatherhead School of Management, 2001 - 2002 Special Topics series.

Management of Insensitive Feet, Medical and Therapeutic Approaches Department of Health and Human Services, National Hansen's Disease Center, Carville, Louisiana, February 8-10, 1983.

INTERNATIONAL FELLOWSHIPS

Fogarty Senior International Fellowship, Department of Health and Human Services, Public Health Services, N.I.H. Awarded 1986 for the study of chronic foot problems. Host Institution Orthopadisches Spital - Vienna, Austria.

U.S.-Austria Biomedical Exchange Program, Sponsored by Fogarty International Center and The Austrian Science Foundation, Host Institution Orthopadisches Spital - Vienna, Austria - June 1989

INTERNATIONAL ADMINISTRATIVE and LEADERSHIP EXPERIENCE

International Federation of Podiatrists (F.I.P.), International Research and Education Committee Member 2008 – 2009

International Federation of Podiatrists (F.I.P.), International Academy of Podiatric Medical Educators, Governing Council 2009 – 2011

Chairman, International Academy of Podiatric Medical Educators 2011 – 2018

Scientific Chairman, World Congress of Podiatry, Rome, Italy 2013, Montreal 2016

INTERNATIONAL INVITATIONS

Visiting Guest Clinician (by invitation of O.A. Dr. Gunther Steinbock), Orthopadisches Spital, Vienna, Austria, and June 6-10, 1983. Lectures presented: Distal Metatarsal Osteotomy in Hallux Valgus and Joint Replacement of the First Metatarsophalangeal Joint.

Visiting Guest Clinician (by invitation of Dr. Gunther Steinbock and Dr. Franz Grill) Orthopadisches Spital, Vienna, Austria June 17 to August 6, 1985.

Invitation by Institute of Orthopedics and Traumatology, China Academy of Traditional Chinese Medicine, Beijing, China (Dr. Chen-Bao-Xing) and the Central Hospital of Jilin City, Jilin City, China (Dr. Chen Lan Tian) - October 5-12, 1989. Visiting Professor, Jilin Central Hospital of Jilin Province, Peoples Republic of China, Appointed October 11, 1989.

Hanil General Hospital, Seoul Korea, (Dr. Chang-Suk Lim) August 3, 2004
Lecture: Hallux Valgus and the Austin Procedure.

LICENSURES

Ohio 1989

BOARD CERTIFICATION

Board Certification - American Board of Podiatric Surgery (#795)
August 1982. Certified in Foot and Ankle Surgery.

PROFESSIONAL ORGANIZATIONS

Fellow, American College of Foot and Ankle Surgeons, (#86-172), 1986 -

Fellow, American College of Podiatric Medicine (#1559), 1995 -

Fellow, American Society of Podiatric Surgeons 2009, Founding Member

American Podiatric Medical Association, Member 1979 – present

Ohio Podiatric Medical Association, Member 1989 – present

Fellow, Royal College of Physicians and Surgeons, Glasgow 2014

Faculty of Podiatric Medicine

Admitted February 17, 2014

HOSPITAL AFFILIATIONS

University Hospitals Regional Hospitals,
UHHS Richmond Medical Center 1990 - 2020

Southpointe (formally Suburban) Hospital,
Cleveland, OH 1989 - 1999,2002 - present

SURGERY CENTERS

Carnegie Surgery Center, 10681 Carnegie Avenue, Cleveland Ohio, 44106 1990 - 2004

Cleveland Clinic Ambulatory Surgery Center, Carnegie Avenue
10681 Carnegie Avenue Cleveland, Ohio, 44106
2004 - 2007

HONORS

Member Pi Delta National Podiatry Honor Society 1977.
Outstanding Young Men of America 1979.
National Academies of Practice, elected 1995.
American College of Foot and Ankle Surgeons,
Legends of the Profession 2005.
Ohio Magazine, Excellence in Education 2006 2006
Recognition of Outstanding Teachers throughout the state of Ohio.
Podiatry Management Magazine
America's 150 Most Influential Podiatrists 2001
America's 175 Most Influential Podiatrists 2006
America's Most Influential Podiatrists 2012
America's Most Influential Podiatrists 2013
America's Most Influential Podiatrists 2017
Excellence in Reviewing Award, Elsevier, The Foot 2013. 2017

AWARDS AND RECOGNITION

Peripheral Vascular Award presented by Norman Skeversky, M.D. 1977.
Graduation Award P.C.P.M.

Carl Abramson Microbiology Award presented by Carl Abramson, Ph.D.
1977. Graduation Award P.C.P.M.

Research Assistant, Department of Immunology and Microbiology, Pennsylvania College of Podiatric
Medicine, Tumor Antigen Project, 1974-1977.

Excellence in Medical Writing, First place, The Journal of Foot Surgery and American College of Foot Surgeons, for
the article entitled "Pyrolytic Carbon as a Joint Replacement in the Foot: A Preliminary Report" - 1983.

Merit Award, American College of Foot Radiologist - August 20, 1983.

Faculty Member of the Year, College of Podiatric Medicine and Surgery, 1984 (Presented by the Class of 1986)

President's Award, Ohio Podiatric Medical Student Association, 1994

Certificate of Appreciation, Ohio Podiatric Medical Student Association, 1995

American College of Foot and Ankle Surgeons, 62nd Scientific Conference, San Diego, Ca. February 11- 15 2004

Recipient of the second-place Award in the manuscript competition

Lecture presentation: Immunologic Testing of Xeno-derived Osteochondral Grafts Using Peripheral Blood Mononuclear Cells from Healthy Human Donors.

Distinguished Service Award, International Federation of Podiatrists (F.I.P.) October 2013

FACULTY APPOINTMENTS

Clinical Assistant Professor, Pennsylvania College of Podiatric Medicine, Department of Surgery, Appointed, July 1979-82

Assistant Professor of Podiatric Medicine, University of Osteopathic Medicine & Health Science, College of Podiatric Medicine and Surgery, Des Moines, Iowa 1982-1984

Associate Professor of Podiatric Medicine, University of Osteopathic Medicine & Health Science, College of Podiatric Medicine and Surgery, Des Moines, Iowa 1984-1987

Professor of Podiatric Medicine, University of Osteopathic Medicine & Health Science, College of Podiatric Medicine and Surgery, 1987-1989 (with tenure)

Discipline Head of Podiatric Medicine - University of Osteopathic Medicine & Health Science, College of Podiatric Medicine and Surgery, 1982-1989.

Discipline Head of Podiatric Surgery - University of Osteopathic Medicine & Health Science, College of Podiatric Medicine and Surgery, 1983-1989.

Associate Dean for Clinical Affairs, University of Osteopathic Medicine & Health Science, College of Podiatric Medicine and Surgery, Des Moines, Iowa, Appointment January 21, 1985-1989.

Chairman, Department of Surgery, Ohio College of Podiatric Medicine, Cleveland, Ohio, Appointment January 3, 1989 - 1994

Professor Department of Surgery, Ohio College of Podiatric Medicine, Cleveland, Ohio, Appointment January 3, 1989 - 2012

Professor Division of Surgery and Biomechanics, Kent State University College of Podiatric Medicine 2012 -

Adjunct Assistant Professor, Department of Biomedical Engineering Case Western Reserve University, Cleveland, Ohio, Appointed February 1, 1990 -2014

Associate Dean for Academic Affairs, Ohio College of Podiatric Medicine, Cleveland, Ohio; Appointed April 15, 1990

Dean of Academic Affairs and Chief Academic Officer, Ohio College of Podiatric Medicine, Cleveland, Ohio Appointed July 1, 1992.

Vice President and Dean of Academic Affairs, Ohio College of Podiatric Medicine, Cleveland, and Ohio Appointed July 1, 1994.

Senior Associate Dean, Kent State University College of Podiatric Medicine Appointed July 1, 2012

RELATED PROFESSIONAL ACTIVITIES

Oral Examiner, American Board of Podiatric Surgery, 1982, 1984, 1987, 1988.

Editorial Staff, Yearbook of Podiatric Medicine and Surgery, Yearbook Medical Publisher, 1985 - 1988.

Clinical Faculty Organization, the University of Osteopathic Medicine and Health Sciences. Vice Chief of Staff 1986-1987.

Editorial Board, Podiatry Tracts, Data Trace, Inc., 1987 - 2000

Contributing Editor, Journal of Foot Surgery, Williams and Wilkins 1989 -2001 Section Editor Research 2004 - 2007

Chief of Podiatry Staff. Carnegie Surgery Center, Cleveland, Ohio 1993 - 1998, 2000 - 2004

Editorial Board, The Lower Extremity (Journal), Churchill Livingstone, 1994-1998

Editorial Advisory Board, The Foot, Churchill Livingstone-Elsevier, 1997- 2020

International Advisory Board 2013 – 2018

Editorial Board 2018 – 2020

RESIDENCY DIRECTOR 1985 - 2016

The University of Osteopathic Medicine and Health sciences

Rotating Podiatric Residency

Podiatric Surgical Residency PSR12

Ohio College of Podiatric Medicine and University Hospital Richmond Heights Hospital

Podiatric Surgical Residency PSR24

Podiatric medical and Surgical Residency 36

Ohio College of Podiatric Medicine and University Hospital Regional Hospital

Podiatric Medicine and Surgery Residency

Podiatric Medicine and Surgery Residency with an added credential in RRA

NATIONAL PROFESSIONAL AND ACADEMIC COMMITTEE PARTICIPATION

National Board of Podiatry Examiners,

Lower Extremity Committee for Test Preparation, 1983.

Podiatric Surgery Committee for Test Preparation, 1984.

American Board of Podiatric Surgery,

Testing Committee, 1984-1989

Nominating Committee, 1992.

American Association of Colleges of Podiatric Medicine,
Council of Deans, 1987-1988, 1991-
Chairman, 1995-1998, 2001 - 2011
Committee Appointment By-Laws Committee, 1994
Strategic Planning Committee 2004 – 2012
Institution Residency Development Committee 2012 - present
Residency Balance Committee 2011 - present

Council on Podiatric Medical Education, American Podiatric Medical Association, 1988-1991(3-year term). 1992 - 2002

Chairman 1997 - 1999
Vice Chair 1996 - 1997
Accreditation Committee, 1989-1990, 1996 - 1997
Joint Residency Review Committee Member, 1990-1991
Chairman, 1994-1996
Continuing Podiatric Medical Education Committee, Chairman, 1993-1994.
Joint Committee for the Recognition of Certifying Boards, 1995 – 2002 Chairman 1999-2002
Continues to serve as Team Leader for both College Accreditation and Residency Approval on-site visits.

American College of Foot and Ankle Surgeons
Journal Awards Committee 1992 - 1998
Professional Relations Committee 1993, 1994
Preferred Practice Guidelines, Advisory Panel 1992 - 1995
Research Fellowship Committee (Research Committee) 1993 – 1999

COMMITTEE EXPERIENCES

University of Osteopathic Medicine & Health Science, Des Moines, Iowa

Rank and Promotion Committee, 1983-84
Research and Grant Committee, 1983-84
Nominating Committee, 1984-85
Educational Resources Committee (Chairman), 1982-84
DPM. Curriculum Committee (Chairman), 1983-85
Radiation Safety Committee, 1983-84
Student Promotion and Evaluation Committee (Chairman), 1982-85
Executive Council, 1984
Student Financial Aid Committee, 1984-85
Mandatory Attendance Ad Hoc Committee, 1984-85
Care Review Committee, 1987
Post-Graduate Education Committee, 1987
Quality Assurance Committee, 1987
University Physician Advisory Committee, 1987

Ohio College of Podiatric Medicine, Cleveland, Ohio
Executive Committee, Faculty Senate, 1989
Academic Council, 1989- present
Research Committee, 1989-1990

Clinical Operations Committee, 1989 - 2012
Faculty Practice Plan Committee (Chairman) 1989-1990
Institutional Planning committee
Self-Study Steering Committee
President, O.C.P.M. Research Foundation, 1999 - 2002

Kent State University

Educational Policy Committee 2012 -2020
Graduate Dean's Advisory Council 2012 – present
- Formally Graduate Studies Administrative Advisor Committee
K.S.U.C.P.M. Academic Council 2012 – present
Interprofessional Lifestyle Medicine Collaborative 2013 – 2016
K.S.U.C.P.M. Care Team, Chairman 2017

OTHER COMMITTEES

Basic Science Research Committee, Pennsylvania College of Podiatric Medicine, 1975-1977
Residency Education Committee, Metropolitan Hospital, 1978-1979
Chairman, Education Committee, South Carolina Podiatry Association, 1980-1981
American Podiatric Medical Association, Committee on Graduate Educational Assistance, 1989-1990
Carnegie Surgery Center, Credentials Committee, 1992- 2004
Carnegie Surgery Center, Executive Committee, 1992 - 200

GRADUATE TRAINING

First-Year Resident in Podiatry at Metropolitan Hospital, Philadelphia, PA in conjunction with the Pennsylvania College of Podiatric Medicine from July 1, 1977, to June 30, 1978

Department Chairman, Pasquale, Pilla D.P.M.

Rotations included during the first year:

- Plastic surgery under the direction of Jose Castillo, M.D. Hospitals included in the service were St. Joseph's Hospital, St. Mary's Hospital, Methodist Hospital, and Metropolitan Hospital, all located in Philadelphia
- Orthopedic surgery at Cherry Hill Medical Center; Cherry Hill, NJ, under the direction of Drs. Carl Mogil, David Waisband, and Seymour Kaufman.
- Internal Medicine at Metropolitan Hospital under the direction of Drs. Marvin Rosner, Patrick Lanutti, and Walter Comisky.
- Anesthesiology at Cherry Hill Medical Center under the direction of the Director of the Department of Anesthesiology.
- Podiatric Medicine and Surgery

Second Year Resident in Podiatry at Metropolitan Hospital in conjunction with the Pennsylvania College of Podiatric Medicine from July 1, 1978, to June 30, 1979. Chief Resident, Department of Podiatry, Metropolitan Hospital, July 1, 1978, to June 30, 1979. Chairman, Department of Podiatry: Edward Chairman, D.P.M., And Residency Director: Donald R. Green, D.P.M.

Metropolitan Hospital
201 North Eight Street
Philadelphia, Pa. 19106

Elective Rotation

Individual instruction in Microsurgery at Pennsylvania Hospital, Microsurgery Unit.

RESEARCH INTERESTS

Biomaterials in Foot Surgery and Small Joint replacement

Pyrolytic Carbon Implants in Podiatric Surgery

Diabetic Foot - Wound Healing and related biomechanical Issues

Cartilage Repair

Biomechanics

Hallux Valgus and first Ray deformities

Current:

Thermochromic Cholesteric Fabric for Medical Diagnosis With AMLCI

THERMOCHROMIC FABRICS UTILIZING, CHOLESTERIC LIQUID CRYSTAL MATERIAL

Resultant Patent May 26, 2020, U.S. Patent No. 10,660,571. - West, John, Chen, Yijing, Palfy-Muhoray, Peter Osher, Lawrence, Hetherington, Vincent, Kawalec, Jill

Publication LeSar, J. D., Rao, N. M., Williams, N. M., Pantano, J. P., Ricci, M. L., Osher, L. S

Hetherington, V.J., Kawalec, J. S.(2017). A novel thermochromic liquid crystal fabric design for the early detection of high-risk foot complications: A proof-of-concept study. Journal of the American Podiatric Medical Association, 107(3), 200-207. DOI:10.7547/15-151.

Development and Evaluation of Platform and In-Shoe Devices for the Measurement of Plantar Shear Forces with AMLCI

OCPM Foundation Grant -Development and Evaluation of Platform and In-Shoe Devices for the Measurement of Plantar Shear Forces \$46,000

Patent Pending

APPARATUS FOR MEASURING SURFACE PROFILE OF NORMAL AND SHEAR STRESS

Pevnyi, Mykhail, Guo, Tianyi, Minkowski, Fred, Hetherington, Vincent, Yokoyama, Hiroshi, Palfy-Muhoray, Peter

Assessment of Randomized Clinical Trials for Hallux Valgus Surgery

C.P.M. Class of 2021 Krishnan, Archana and Patel, Maitri

The Roto-Glide Great Toe Implant: A Scoping review

C.P.M. Class of 2021 Marcano-Reik, Amy Jo and Hill, Zachery

Grants and Awards

Carbomedics Inc., Mechanical and Histologic Fixation of Hydroxyapatite - Coated Pyrolytic Carbon and Titanium Implants. 1992 - 1993, (\$ 49,400).

Carbomedics Inc. Wear Characteristics of a Pyrolytic Carbon- Cartilage Articulation. 1994 - 1996, (\$109,000)

Sulzer Medica. Photo-oxidized Bovine Implants for Cartilage Replacement. 1999-2000 (\$10,000)

Ceramoptecs Inc. Diode Laser as an Adjunct Tool for Wound Care: a pilot study. 2000-2001 (\$44,000)

Biolitec, Inc. Diode Laser as an Adjunct Tool for Wound Care: a pilot study. 2000-2001 (\$65,000)

Sulzer Medica. Immunologic Testing for Xeno-derived Osteocartilagenous Grafts. 2001-2002 (\$50,000)

Sulzer Medica. Immunological testing Of Bone and cartilage implants manufactured According to the PhotoFix Process. 2002-2003 (\$200,000)

Osteomed, Inc., Assessment of the Osteomed Subtalar implant, White Paper: A Comparison of the Effects of Conical and Cylindrical Implants on Contact Area and Pressure in the Subtalar Joint 2005 (\$18,000).

Northeast Ohio Healthcare Foundation. For purchase of an Extensometer for Mechanical Testing 2006 (\$7,000).

Ohio College of Podiatric Medicine Foundation Educational Grant: Kent State University, College of Podiatric Medicine, Diabetic and Dysvascular Foot, Kent State University, Florence Campus, Florence, Italy, October 9 – 10, 2015 \$35,000

Ohio College of Podiatric Medicine Foundation Educational Grant: Kent State University, College of Podiatric Medicine, 2nd Annual Diabetic Foot Conference, Prevention and Treatment of Diabetic Foot Complications: An Evidence-Based Team Approach, Kent State University, Florence Campus, Florence, Italy, October 6 – 8, 2016 \$40,000

Ohio College of Podiatric Medicine Foundation Research Grant: Kent State University, College of Podiatric Medicine: Development and Evaluation of Platform and In-Shoe Devices for the Measurement of Plantar Shear Forces. 2017, \$46,000 Patent Pending

Ohio College of Podiatric Medicine Foundation Research Grant: Kent State University, College of Podiatric Medicine, K.S.U. Florence Campus – C.P.M. Clerkship program. 2017, \$17,000

Ohio College of Podiatric Medicine Foundation Research Grant: 2018 Podiatric Medical Seminar in the City of the Renaissance, Florence, Italy May 23 – 25, 2018, \$30,000

Ohio College of Podiatric Medicine Foundation Research Grant: 2019 Podiatric Medical Seminar in the City of the Renaissance, Florence, Italy May 23 – 25, 2019, \$30,000

Ohio College of Podiatric Medicine Foundation Research Grant: Grant San Donato Hospital Diabetology and Diabetic Foot Clerkship 2019 – 2020. \$13,500
San Donato Hospital Diabetology and Diabetic Foot Clerkship, Arezzo Italy
Rotation Co-cordinator with Lucia Ricci MD and Alessia Scatena MD

Ohio College of Podiatric Medicine Foundation Research Grant: 2019 Podiatric Medical Seminar in the City of the Renaissance, Florence, Italy May 21 – 23, 2020, \$25,000

THESIS SUPERVISION

Ph.D. Dissertations

Wear Characteristics of a Pyrolytic Carbon- Cartilage Articulation, Jill S. Kawalec M.S., Department of Biomedical Engineering Case Western Reserve University. 1994 - 1996

Masters Theses

Mechanical and Histologic Fixation of Hydroxyapatite - Coated Pyrolytic Carbon and Titanium Implants. Christine E. Lord, Department of Biomedical Engineering Case Western Reserve University. 1993 - 1994

MEDICAL TEXTS Edited

Principles and Practice of Podiatric Medicine, Second Edition: Ed. Leonard A. Levy, D.P.M., M.P.H. and Vincent J. Hetherington, D.P.M.: MS, 2006 Data Trace Publishers, Brooklandville, Md

Principles and Practice of Podiatric Medicine: Ed. Leonard A. Levy, D.P.M., M.P.H. and Vincent J. Hetherington, D.P.M.: MS, Churchill Livingstone, New York, 1989.

Hallux Valgus and Forefoot Surgery: Ed. Vincent J. Hetherington D.P.M., Churchill - Livingstone, New York. 1994. Second Printing in electronic format (CD) Ohio College of Podiatric Medicine 2002

Monographs

The Aging Foot: An Interdisciplinary Perspective: A collaborative effort between The Ohio State University College of Medicine and Public Health, Ohio College of Podiatric Medicine, Ohio University College of Osteopathic Medicine and Western Reserve Geriatric Education Center, Lawrence Gabel, Ph.D., Danell J. Haines Ph.D., Klara K. Papp Ph.D., editors, Served on the executive committee, Funded by a U.S.D.A., P.H.S., H.R.S.A., Bureau of Health Professions, Division of Medicine Grant and published by the Ohio State University Department of Family Medicine, 2004

PUBLICATIONS

Hetherington, V.J., Kidawa, A.S. - Some Aspects of Arterial Calcification, *Current Podiatry* 25 (6): 9-11, 1976.

Abramson, C., Axler, D., Hetherington, V.J., Kavros, S. -Carcinoneonatal Antigens on SV40 Transformed Syngeneic Cells, Abstract: Summary of work presented at the 1977 Federation of the American Society of Experimental Biology Meeting Abstract published in *Federation Proceedings*, 1977.

Hetherington, V.J., Pilla, P., Petrantoni, C. - Experience with Deep Venous Thrombosis and I.P.G. - 200 as a Diagnostic Aid, *J. Foot Surgery* 19 (2): 55-62, 1980.

Hetherington, V.J. - Technetium and Combined Gallium and Technetium Scans in the Neurotrophic Foot, *J.A.P.A.* 72 (9): 458-463, 1982.

Hetherington, V.J., Kavros, S.J., Conway, F., Mandracchia, V.J., Martin, W., and Haubold, A.D., Pyrolytic Carbon as a Joint Replacement in the Foot: A Preliminary Report, *Journal of Foot Surgery* 21 (3) 160-165, 1982.

Hetherington, V.J., Post-surgical, and Other Foot Infections *Podiatric Clinics of the Midwest* (1) 73-83, 1982.

Hetherington, V.J. - Chapter 14 Special Studies - Bone Scans and Computerized Axial Topography Radiology of the Foot, Editor; Steven Weissman, D.P.M., *William's & Wilkins*, 1983; Second Edition 1988.

Varied Uses for Radioisotope Studies, *Podiatry News* 21 (3), 1983, Schering.

Rice, J.R.D., Hetherington, V.J., et al. - Solitary Osteochondroma of the Foot: An in Depth Study with Case Reports, *Journal of Foot Surgery* 23 (1): 3-24 1984.

Laco, J.E., Schiller, J.E., and Hetherington, V.J., Cardio-vascular Disorders: Diagnostic and Therapeutic Implications for the Podiatric Medical Practice. Clinics in Podiatry 2(4) 639-652, 1985.

Hetherington, V.J. Diabetic Foot Complications Hawkeye Osteopathic Journal 4 (4) 12-16, 1986.

Duncan, G.S., Quam, S. and Hetherington, V.J.: The Use of Intravenous Regional Anesthesia in Podiatric Surgery. Journal of Foot Surgery 25 (5), 411-415, 1986.

Hetherington, V.J., Park, J., Drews, M., and Neville, R., Pyrolytic Carbon, Porous Implants and the Fibrin Adhesive System. Journal of Foot Surgery 25(5), 341-350, 1986.

Grill, F., Hetherington, V., Steinbock, G. and Altenhuber, J. Experiences with the Chevron (V-) Osteotomy on Adolescent Hallux Valgus, Arch. Ortho. Trauma. Surg. 106:47-51. 1986.

Hetherington, V.J.: Chapter entitled The Insensitive Foot in Fundamentals of Foot Surgery, Ed. E.D., McGlamry, William's & Wilkins, 1987.

Hetherington, V.J.: Chapter entitled Ulcers of the Foot, in Current Therapy in Podiatric Surgery, Ed. Richard M. Jay, D.P.M., B.C. Decker, Inc. Publisher, St. Louis, Missouri, 1988.

Steinbock, G. and Hetherington, V.J.: Austin Bunionectomy: Transpositional "V" Osteotomy of the First Metatarsal for Hallux Valgus. J. Foot Surgery, 27(3), 211-216, 1988.

Baer, M.S., Hetherington, V.J., Lockyear, J.E. and Long, D.H.: Preliminary Report on the Use of Liquid Crystal Thermography in Podiatry, J. Foot Surgery, 27(5), 398-403, 1988.

Hetherington, V.J., Carnett, J., and Patterson, B.A.: Motion of the First Metatarsophalangeal Joint, J. Foot Surgery, 28(1), 13-19, 1989.

Hetherington, V.J., Park, J.B., Park, S.H., Carnett, J.A. et al. Effects Of Fibrin Sealant on the Fixation of Porous Titanium and Pyrolytic Carbon Implants, J. Foot Surg. 28(2)145-150, 1989.

Hetherington, V.J., Johnson, R., Albritton, J: Necessary Dorsiflexion of the First Metatarsophalangeal Joint During Gait. J. Foot Surg. 29(3) 218-222, 1990

Steinbock, G., Hetherington, V.J., Forbelsky, M.: Biomechanische Untersuchung Des Fuss Dei Dessen Orthetischer Versorgung, Ortho. Praxis, 27(2) 83-87, 1991

Steinbock, G., Hetherington V.J., Pinsger, M.: Zur Einlagenversorgung bei Metatarsalgien, Ortho. Praxis, 27(2) 92-94, 1991.

Cwikla, P.S., Hetherington, V.J. and Petek, J.M.: Morphological Considerations of the First Metatarsophalangeal Joint, J. Foot Surg. 31(1), 3-9, 1992.

Hetherington, V.J.: Chapter entitled The Neuropathic Foot in Comprehensive Textbook of Foot Surgery, 2nd Edition, Ed. E.D. McGlamry, A.S. Banks, M.S. Downey. William and Wilkins, 1992.

Hetherington, V.J., Chessman, G.W. and Steuben, C.: Forces on the First Metatarsophalangeal Joint: A Pilot Study, J. Foot. Surgery 31(5), 450-453, 1992.

Melillo, T.V., Hetherington, V.J.: Challenges and Opportunities Facing the Ohio College of Podiatric Medicine, J.A.P.M.A. 82(6) 320-324, 1992.

Hetherington, V.J. and Hash, GAL.: Evaluation of Lower Extremity Ulceration. J. Foot and Ankle Surgery, 31(6) 599-602, 1992.

Hetherington, V.J., Steinbock, G., Aorta, D. and Gardner, C: The Austin Bunionectomy: A Follow-up Study, J. Foot, and Ankle Surgery, 32(2), 162-166, 1993.

Hetherington, V.J., Mercado, C., Charlock, L. and Grille, J.: Silicone Implant ARTHROPLASTY: A Retrospective Analysis, J. Foot and Ankle Surgery 32(4), 430-433, 1993.

Chen, L.E.T. Hetherington, V.J., and Reed, S.: A Review of Pyrolytic Carbon: Application in Bone and Joint Surgery, J. Foot and Ankle Surgery 32(5)490-498, 1993.

Lord C.E., Hetherington, V.J., Brown, S.A.: Fixation of Hydroxylapatite Coated Pyrolytic Carbon and Titanium Alloy Implants, Bioceramics, Vol. 6, Ducheyne, P and Christiansen, D ED., Butterworth Heinemann, Boston, 1993, Proceeding of the Sixth International Symposium on Ceramics in Medicine.

Hetherington, V.J. Cwikla, P.S., Malone, M., Herbert, C. and Reed, S.: Sectional Morphology of the First Metatarsophalangeal Joint, J. Foot and Ankle Surgery, 33(1), 77-82, 1994

Hetherington, V.J., Shields, S.L., Wilhelm, K.R., LaPorta, D.M., Nicklas, B.J.: Absorbable Fixation of First Ray Osteotomies, J. Foot and Ankle Surgery, 33 (3), 290-294 1994.

Hetherington, V.J., Senick, J.: Chapter entitled Soft Tissue and Bone Reaction to Implants. In Musculoskeletal Disorders of the Lower Extremity. Ed. L.M. Oloff, W.B.Saunders Company, Philadelphia 1994

Hetherington, V.J., Lord, C.E., Brown, S.A.: Mechanical and Histological Fixation of Hydroxyapatite - Coated Pyrolytic Carbon and Titanium Alloy Implants: A Report of Short Term Results, J. Appl. Biomat. 6, 243 - 248, 1995.

Hetherington, V.J. Guest Editor, Absorbable Materials/Fixation, Foot and Ankle Quarterly, Vol.9, (2), Summer 1996

Reyes, C., Branauskas, S., Hetherington, V.: Retrospective Assessment of Antibiotic and Tourniquet Use in an Ambulatory Surgery Center, J Foot and Ankle Surgery, 36,(1),55-62, 1997

Hetherington, V.J. and Nicklas, B.J. Guest Editors, Hallux Abducto Valgus: Procedure Outcome, Foot and Ankle Quarterly, Vol.10, (2), Summer 1997

Kawalec, J.S., Hetherington, V.J., Melillo T.C., Corbin, N.: Evaluation of fibrocartilage regeneration and bone response to a full thickness cartilage defects in articulation with pyrolytic Carbon or Cobalt-Chromium Alloy hemiarthroplasties, J.Biomed.Mat.res. 41(4), 534-540, 1998

Hetherington, V.J. and Spencer, S.: Die Biomechanik des Fußes - tiel 1, Der Fuss 4, 9 - 10, 1998 (translation by Klaus Grunewald)

Hetherington, V.J. and Spencer, S.: Die Biomechanik des Fußes - tiel 2, Der Fuss 5, 9 - 12, 1998 (translation by Klaus Grunewald)

Hetherington, V.J. and Spencer, S.: Die Biomechanik des Fußes - tiel 3, Der Fuss 3, 20 - 21, 1999 (translation by Klaus Grunewald)

Lafata, P.C., Hetherington, V.J., Herbert, C. Munson, M: Regeneration of the Extensor digitorum Longus to the Fifth Toe as a cause of recurrent Digital Deformity. The Foot 9, 150-152, 1999

Compendium of Podiatric Medicine and Surgery 2000, Stephen J. Kominsky editor, Data Trace Publishing, Brooklandville, Md.
Chapter Editor: Biomaterials

Kawalec J.S, Reyes C, Penfield V.K, Hetherington V.J., Hayes D., Feliciano F., Gartz D., Jones J., R. Esposito, and Cernica M.S.: Evaluation of the Ceramoptec Ceralas d15 Diode Laser as an Adjunct Tool for Wound Care: a pilot study. The Foot 11, 68 - 73, 2001

Compendium of Podiatric Medicine and Surgery 2001, Stephen J. Kominsky editor, Data Trace Publishing, Brooklandville, Md.
Chapter Editor: Biomaterials

Compendium of Podiatric Medicine and Surgery 2002, Stephen J. Kominsky editor, Data Trace Publishing, Brooklandville, Md. Chapter Editor: Biomaterials

Compendium of Podiatric Medicine and Surgery 2003, Stephen J. Kominsky editor, Data Trace Publishing, Brooklandville, Md. Chapter Editor: Biomaterials

Hetherington, V.J., Kawalec, J.S. and Bhattacharyya, B.: Enhancement of the Fixation of Pyrolytic Carbon Implants by Using Atomic Oxygen Texturing, J Foot and Ankle Surgery 43(1), 16 - 19, 2004

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Guest Editor, *Foot and Ankle Quarterly*, Hallux Valgus Issue, Volume 22, Number 4, Winter 2011

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DiBacco, P., Hetherington, V.J., Putman, D. Lecture Capture: Enhancing Learning through Technology at the Kent State University College of Podiatric Medicine. *J.A.P.M.A.* 10(6) 491 – 498, 2012

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The Foot, 39, 88-91, 2019 <https://doi.org/10.1016/j.foot.2019.02.010>.

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Survey research in podiatric medicine: an analysis of the reporting of response rates and non-response bias,
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EDUCATIONAL PRESENTATIONS

Third European and First World Congress of Podiatry. October 8-12, 1992 Brighton, England. Lecture presentations: Outcomes Assessments of Student Performance.

116th American Association of Medical Colleges Annual Meeting, Washington, D.C. November 4 - 9, 2005
Educational Poster Presentation: Ohio College of Podiatric Medicine Plan For Assessment of Student Outcomes

American Association of Medical Colleges Annual Meeting 2006, Seattle, Washington October 27 - 31, 2006. Poster presentation in Innovations in Medical Education: Professionalism and Professional Behavior Edweana Robinson, Vincent J. Hetherington

American Association of Medical Colleges Annual Meeting 2007, Washington, DC November 3 - 6, 2007. Poster presentation in Innovations in Medical Education: Podiatric Medical Education: O.C.P.M. The Other Medical School.

American Association of Medical Colleges Annual Meeting 2008, San Antonio, October 31 - November 5, 2008. Poster presentation in Innovations in Medical Education: Simulations Across Our Curriculum. Edweana Robinson, Vincent J. Hetherington

American Association of Medical Colleges Annual Meeting 2009, Boston, November 6 - 11, 2009. Poster presentation: Innovations in Medical Education: A Multidisciplinary Approach to Diabetic Medical Education in a Family Practice Setting. Bryan Caldwell, Edweana Robinson, Vincent J. Hetherington

International Federation of Podologists (F.I.P.), 20th World Congress on Podiatry, Amsterdam, The Netherlands, May 13 -15, 2010. International Academy of Podiatric Medical Educators Tract. Lecture presentation: Recognizing Educational Quality: International Strategies

American Association of Medical Colleges Annual Meeting 2010, Washington D.C., November 6 - 9, 2010. Poster presentation: Innovations in Medical Education. Use of Lecture Capture at the Ohio College of Podiatric Medicine. Priscilla M. DiBacco, Vincent J. Hetherington, David Putman

Driving the Future 2013: Today's Inspiration – Tomorrow's Innovations. Kent State University College of Nursing, Kent, OH, March 4, 2013 Presentation: Podiatric Medicine.

27th Conference of the European Wound Management Association, Amsterdam, The Netherlands, May 3 – 5, 2017
Moderated the E.W.M.A. – FIP-IFP symposium: Care of the Diabetic Foot by Podiatrists: a Comparative study on a Global Scale and presented The American Perspective. Session focused on educational training and experience.

RECENT SCIENTIFIC MEETING PRESENTATIONS

Kent State University Symposium on Aging - Life in the Balance; Fall Prevention from Multidisciplinary Perspectives, Kent, Ohio November 13, 2014, Co-Chair Poster Session, the Co-Authored poster: An Atlas of Common Foot Deformities Associated with Falls among Older Adults

Jevial College of Podiatry, X Seminario Internacional De Podologia: El Pie Diabetico November 21 and 23, 2014, Lima, Peru Presented Lectures on Vascular examination, Neurologic evaluation Assessment of Foot Ulcers, and Doppler Ultrasound Screening for the Diabetic Foot.

Kent State University, College of Podiatric Medicine, Diabetic and Dysvascular Foot, Kent State University, Florence Campus, Florence, Italy, October 9 – 10, 2015

Lecture: Diabetes and Diabetic Complications with Special Reference to the Foot: A growing Global Issue

Kent State University College of Podiatric Medicine, Prevention and Treatment of Diabetic Foot Complications: An Evidence-Based Approach. Florence, Italy, October 6 -8, 2016

Lecture presentation: Biomechanics of the Diabetic Foot

27th Conference of the European Wound Management Association, Amsterdam, The Netherlands, May 3 – 5, 2017, Moderated the E.W.M.A. – FIP-IFP symposium: Care of the Diabetic Foot by Podiatrists: a Comparative study on a Global Scale and presented The American Perspective. The session focused on educational training and experience.

9th Pisa International Diabetic Foot Course, Pisa, Italy October 4 -7, 2017 (

Lecture Presented: Factors Contributing to Alterations in the Diabetic Neurotrophic Foot Function

16th Annual Staffordshire Conference on Clinical Biomechanics, Stoke-on-Trent, UK, April 27 – 29, 2018

Lectures presented:

Arthroplasty of the First M.P.J.: Mechanics, Materials, Evidence – Where Exactly Are We?

Shear Forces in the Diabetic Foot: Is there a need for Clinical Measurement?

2018 Podiatric Medical Seminar in the City of the Renaissance, Florence, Italy May 24-26, 2018

Program Chairman

Lectures Presented:

Hallux Valgus –Clinical and Radiographic Assessment,

Techniques of Skin Biopsy

Shear Forces in the Diabetic Foot

2019 Podiatric Medical Seminar in the City of the Renaissance, Florence, Italy May 23 – 25, 2019

Program Chairman

Lecture Presented:

Shear Forces in the Diabetic Foot: what we know and don't know