

ELIZABETH GENOVESE, M.D., M.B.A., FACOEM, FAADEP
Internal Medicine (ABMS)
Preventative/Occupational Medicine (ABMS)
Utilization Review and Quality Assurance
610-667-4463

EDUCATION:

- 1973 - 77 HARVARD UNIVERSITY - B.A. magna cum laude**
Special Concentration in Psychobiology
Phi Beta Kappa - Iota Chapter (elected junior year)
- 1978 - 82/3 UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE - MD**
Class co-president 1980-82; Activities chair 1979-80; Dean's Committee
Founder "Horizons" (produced /acted in plays and musicals)
(MD was a dual degree with MBA)
- 1981 - 83 WHARTON SCHOOL - UNIVERSITY OF PENNSYLVANIA - MBA**
Kaiser Foundation Fellowship (full tuition)
Hospital Association of PA Award (outstanding leadership potential)
Clerkship at the Robert Wood Johnson Foundation analyzing long-term care
options and cost vs. benefit issues in diagnostic testing
Wharton "Follies" participant – both years
- 1994 - 95 MEDICAL COLLEGE OF WISCONSIN - MPH PROGRAM**
Courses in: Epidemiology, Biostatistics, Environmental Health, Toxicology
and Occupational Health Law

SPECIALTY CERTIFICATIONS AND CERTIFICATES:

- 10/1986** American Board of Internal Medicine
1/1997 American Board of Preventative Medicine - Subspecialty of Occupational
and Environmental Medicine
- 10/1989** Certificate - American Board of Utilization Review & Quality Assurance
12/1998 Certified Independent Medical Examiner (CIME)
11/2002 Certified in Evaluation of Disability and Impairment Ratings (CEDIR)

FACULTY APPOINTMENTS:

- 1988 - 95** Clinical Assistant Professor of Medicine, Associated Faculty - University
of Pennsylvania School of Medicine
- 2000 -** Adjunct Assistant Professor of Emergency Medicine, Associated Faculty,
University of Pennsylvania School of Medicine

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MAJOR TEACHING RESPONSIBILITIES, COMMITTEE/PANEL MEMBERSHIPS AND AWARDS:

- 1988 - 94** Chairman - Internal Medicine Quality Assurance Committee, Graduate Hospital
- 1987 - 93** Faculty - Internal Medicine Clinic - Graduate Hospital
- 1993 - 95** Preceptor Medicine 100 courses - University of Pennsylvania
- 1993 -** Athena Institute for Womens' Wellness – Advisory Board
- 1994 - 04** University of Pennsylvania School of Nursing - lecturer/preceptor
- 1998 -** Athena Institute for Womens' Wellness - Advisory Committee
- 1998 - 02** Workers' Compensation Committee - ACOEM
- 1999 -** Fellow in the American Academy of Disability Evaluating Physicians
- 1999 -** Philadelphia Chapter: American College of Occupational and Environmental Medicine (ACOEM): Board of Directors
- 1999 -** American College of Occupational and Environmental Medicine: Delegate
- 1999 -** University of Pennsylvania – Faculty Occupational Medicine Residency
- 2000** AMA Guides to Impairment - 5th Edition - reviewer
- 2000 - 05** Chairperson - Committee on Coding and Classification – ACOEM
- 2001 -** Course Director - "Musculoskeletal Diagnosis and Treatment" – ACOEM
- 2001 -** AMA CPT Advisory Committee – ACOEM representative
- 2001 - 05** Clinical Guidelines Committee – core member – ACOEM
- 2001 - 08** Board of Directors - American Academy of Disability Evaluating Physicians
- 2002 -** ACOEM Committee on Return to Work - member
- 2002 - 04** ACOEM Business Development Committee
- 2004 -** Course Co-Director – ACOEM Clinical Guidelines Course
- 2005** “Social Security Evaluations: Is Specialized Training Necessary?”; Institute of Medicine – special panel on Social Security – 4/20/05
- 2005** AMA Guides to Impairment – 6th Edition – reviewer
- 2006** ACOEM Award for Meritorious Service; ACOEM Fellowship – May, 2006
- 2005 -** ACOEM Committee on Coding & Classification – member
- 2005 -** ACOEM - Evidence-Based Practice Guideline Committee – member
- 2006 -** Social Security Expert Panel on Functional & Vocational Evaluation – invited participant 7/22 and 7/23/06)
- 2006 -** ACOEM – Evidence-Based Practice Panel – Spine - member
- 2007 -** ACOEM Cornerstone Conference on RTW – invited participant –1/24/07
- 2007 -** ACOEM – Evidence-Based Practice Panel – Pain – Lead Chair

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EDITORIAL POSITIONS:

- 2002 - Editor AADEP Newsletter (quarterly)
2004 - 5 Advisory Board/Ass't Chair Internal Medicine FOR Reed, Presley MD; The Medical Disability Advisor – 5th Edition – Reed Group Ltd; Boulder Colorado;
2004 - “Insights” (ACOEM Clinical Practice Guidelines Newsletter) – editor
2005 - AMA Guides to the Evaluation of Permanent Impairment – 6th ed – section editor and author of GI, GU and Hematology chapters (in press)

CURRENT STAFF PRIVILEGES:

Hospital of the University of Pennsylvania – PA

MEMBERSHIPS:

American College of Physicians
Phi Beta Kappa; Harvard Club; Wharton Club
American Medical Association
American College of Occupational & Environmental Medicine (ACOEM)
American Medical Association
American Academy of Disability Evaluating Physicians
Women In Balance

EXPERIENCE:

- 8/95 – **IMX Medical Management Services - Medical Director**
Focus upon product development, quality assurance, and development of educational programs for company specializing in disability and impairment evaluation, peer review, expert opinions. Develop and update/enhance training materials for consulting physicians and staff. Review selected reports and all impairment ratings. Special projects have included piloting statewide DPW work capacity assessment program, oversight and reviewer training for State of Washington IME Review and Improvement Project, and establishing internal database and search engine as source of references for IMEs and peer reviews.
- 3/91 – **INTERNIST**

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Maintained small internal medicine practice at various locations from 1991 through the present. Manage wide range of medical problems, but specialize primarily in preventative medicine, injury management, women's' health and individualized/bioidentical hormone replacement therapy.

3/91 – CONSULTANT

Perform retrospective chart reviews and independent medical examinations to address issues of causality, disability, and the appropriateness of both in-patient and outpatient services, for a wide range of insurers, rehabilitation companies, peer review organizations and attorneys.

3/96 - 9/04 MERCY WORKCARE - Medical Director

Responsible for developing injury management and OSHA surveillance Protocols, educating/hiring medical staff, developing and implementing case management system and quality assurance program, designing medical components/protocols and providing occasional patient care for a multi-site occupational medicine program.

7/95 - 3/96 CROZER-CHESTER OCCUPATIONAL HEALTH SERVICES Medical Director - Doctor's Urgent Care Branch

Responsible for medical management of occupational health patients (injuries, screening, and injury prevention). Duties included developing site-specific policies and protocols with goal of increasing scope of services and overall site utilization.

1/94 - 7/95 CENTRAMED, Inc. - Medical Director

Maintained direct patient care responsibilities and performed administrative duties focused primarily upon improving the quality and scope of services provided to a wide range of clients, predominantly, but not exclusively, in the area of Occupational Medicine. Developed file review program; established internal utilization review and quality control mechanisms including duty-based treatment protocols; set up internal educational programs; devised functional parameters for therapists to use in measuring patient progress; continued prior consulting activities.

6/91 - 5/93 WORKWELL - Occupational Medicine Physician

Performed injury management and OSHA surveillance in primary offices of an occupational medicine facility, as well as on-site coverage of local hospital employees (Children's Hospital of Philadelphia).

9/93 - 12/93 HUP OCCUPATIONAL MEDICINE CLINIC - Physician

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Evaluated and treated HUP& University of Pennsylvania employees as well as client referrals.

- 9/91 - 9/93** **QUALITY HEALTH SERVICES, Inc. - MEDICAL DIRECTOR**
Advised and trained reviewers and established protocols for the concurrent and retrospective review of general medical claims with the goal of maximizing the appropriateness, efficiency, and quality of care.
- 7/86 - 1/ 91** **PENN DIAGNOSTIC CENTER - Physician**
Managed patients with general medical problems and occupational injuries; performed Independent Medical Evaluations and chart reviews; heavily involved in the development, implementation, and refinement of the File Review Program, Women's' program, and other corporate initiatives.
- 1/87 - 1/ 91** **GRADUATE / MT. SINAI HOSPITALS - Physician Advisor**
Reviewed inpatient charts for Utilization Review and Quality Assurance offices at both institutions.
- 7/83 –6/ 86** **ST. LUKE'S HOSPITAL, N.Y.C. - Intern/Resident**
Completed residency in Internal Medicine; special elective in which analyzed and developed means of rectifying organizational problems in the Primary Care Internal Medicine Clinic; employed by drug detoxification unit on part-time basis.

SELECTED MAJOR PRESENTATIONS, 1999 Onward:

- 9/1999** Council on Education in Management: "Preventing Disability"
9/1999 MARCOM '99: "Chronic Pain vs. Malingering: How Do you Tell the Difference?"
5/2000 AOHC 2000 (ACOEM Annual Meeting) : "What Causes Spinal Pain Epidemiology and Biomechanics;"
3/2001 AADEP Clinical Training -- Internal Medicine Impairment Rating Workshop
4/2001 AOHC 2001 - "A Comprehensive Guide to the Design, Analysis, and Application of Functional Testing" (to be repeated 5/2003)
9/2001 AADEP Clinical Training -- Internal Medicine Impairment Rating Workshop
10/2001 Governor's 2001 Workers' Compensation Conference – Diagnosis and Treatment of Neck and Back Pain
4/2002 Coding and Reimbursement Issues in Occupational Medicine
10/2002 International Congress on Disability in the Workplace – "The Employer's Perspective"
10/2002 Prevention and Management of Chronic Pain – SOTAC (ACOEM Scientific Conference)
5/2003 AOHC 2003 - "A Comprehensive Guide to the Design, Analysis, and

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- 9/2003 Application of Functional Testing" ; Coding and Reimbursement Issues
Second Annual Congress on Disability in the Workplace – “Optimizing
Disability Outcomes with Science”
- 11/2003 AADEP Annual Scientific Sessions “Causation Analysis”
- 4/2004 “Musculoskeletal Problems” – Basic Curriculum in Occupational Medicine
- 4/2004 “Fitness for Duty Evaluations” – AOHC (ACOEM Annual Meeting)
- 5/2004 “Understanding and Applying Evidence-Based Medicine” – AON
- 5/2004 “Internal Medicine Impairment Ratings; Maximizing the Benefit of FCEs”
AADEP Clinical Training Course
- 7/2004 Optimizing the Management of Workers’ Compensation Injuries – SEAK
- 11/2004 “Workshop on Reviewing Medical Literature”; “Causation” – AADEP
Annual Scientific Meeting
- 2/2005 “National Health Insurance: Overdue or Overdone”; Chapel of Four
Chaplains Annual Conference
- 2/2005 “ACOEM Clinical Practice Guidelines – The Spine”; US Navy Annual Occ
Med Conference;
- 3/2005 “The Spine”; CSOMA
- 4/2005 “Social Security Evaluations: Is Specialized Training Necessary?”; Institute
of Medicine – special panel on Social Security
- 6/2005 “Causation Assessment”; “Optimizing the Management of Work Injury”;
“The Spine”; “The Knee”; “Workshops on Spinal and Knee Evaluation”
Physician Training – Nova Scotia Bureau Workers’ Compensation
(repeated in 6/2006)
- 9/2005 “Evidence-Based Medicine”: IAIABC
- 9/2005 “Prescription Drug Use Guidelines” – American Insurance Association
- 11/2005 “Evidence-Based Guidelines” – AADEP
- 5/2006 “What’s New in Acute Low Back Pain?” – AOHC
- 9/2006 “The ACOEM Clinical Practice Guidelines”; KOEMS
- 9/2006 “The AMA Guides – 6th Edition” – American Insurance Association
- 11/2006 “Prevention and Management of Chronic Pain”– AADEP
- 3/2007 “Managing Patients with ‘Delayed Recovery’” – California Workers’
Compensation Research Institute
- 5/2007 “Functional Capacity Evaluations”; “Coding in Occupational Medicine” –
AOHC

Recurring Presentations – Medical Audiences

- 5/2000 - U of Pa. Occ. Med. Practicum – annually lecture on IMEs, FCEs, Coding
and Introduction to Impairment Rating ANNUAL
- 4/2001 - Musculoskeletal Examination and Treatment – Course: “The Spine”,
“Causation Assessment”, ” Optimizing Patient Management”, “Delayed
Recovery”, “Establishing Maximum Medical Improvement” ANNUAL

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- 3/2003 - AADEP Clinical Training -- Internal Medicine Impairment Rating Workshop; FCEs ANNUAL (Also includes Cardio-respiratory Impairment as of 5/2006)
- 10/2004 - Basic Curriculum in Occupational Medicine III – Evidence-Based Approach to Musculoskeletal Injury ANNUAL
- 6/2004 - ACOEM Clinical Practice Guidelines Course - (varies)

Other Presentations to Primarily Non-Medical Audiences

Maintain a library of presentations suitable to the needs of IMX clientele in addition to arranging our annual seminar (usual attendance – 150). Consequently have given multiple presentations during the period covered by this CV and previously at IMX annual seminars and at varied locations for major insurance carriers (PMA, Reliance, Chubb, Fortis, Harleysville, Traveler's, Liberty Mutual, AIG, CSI, New Jersey Manufacturers), law firms, and others on topics including, but not limited to, various aspects of disability evaluation, causality assessment, FCEs, IMEs, evidence-based medicine, whiplash, idiopathic pain syndromes, chronic pain, musculoskeletal examination, impairment rating and "best practices" in the care of injured workers.

BIBLIOGRAPHY:

- 1990 Cutler WB, and Genovese E - Breast Cancer, in response to Berkvist. NEJM : 322 302-303
- 1990 Cutler WB, Friedman E, Genovese E and Felmet K - Urinary Stress Incontinence: a Pervasive Problem Among Well Women. J Women's Health 1:259-266
- 1993 Cutler WB, Friedman E, and Genovese E - Prevalence of Kyphosis in a Healthy sample of Pre and Postmenopausal Women. Am J Phys Med
- 1998 Cutler WB, Genovese-Stone E - Wellness in Women After 40 - The Role of Sex Hormones and Pheromones - Disease-a-Month Volume 44 : Number 9
- 2000 Cutler WB and Genovese-Stone E; "Wellness in Women After 40 Years of Age: The Role of Sex Hormones and Pheromones (Part I)"; Current Problems in Obstetrics, Gyn. and Fertility; Jan/Feb.2000 23(1): 1-32
- 2000 Cutler WB and Genovese-Stone E; "Wellness in Women After 40 Years of Age: The Role of Sex Hormones and Pheromones (Part II & III)"; Current Problems in Obstetrics, Gyn. and Fertility; Jan/Feb.2000 23(2): 33-88
- 2000 Cutler WB, McCoy NL, Zacher MG, Genovese E, and Friedmann E; "Impact of Hysterectomy on Sexual Life of Women"; Poster - American College of Obstetrics and Gynecology - 5/2000:
- 2002 Cutler WB and Genovese E; "Pheromones, Sexual Attractiveness, and Quality of Life in Menopausal Women"; Climacteric 2002:5:1-10
- 2002 Genovese E, "Causality Assessment"; in Disability Evaluation, Stephen

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- Demeter MD, ed;
- 2003** Genovese, E; "Workers' Compensation Fraud and the Physician" in Clinics in Occupational and Environmental Medicine; Elsevier; Phil., 2004
- 2004** Glass L ed; ACOEM Clinical Practice Guidelines, 2cd edition OEM Press, Massachusetts, 2003 ; Contributing editor (Causation; Spine)
- 2004** Genovese E; "Evidence-based Medicine: What is it? Why do we care?"; Appendix for ACOEM Clinical Practice Guidelines, (as above)
- 2004** Harris JS, Glass LS, Mueller KL & Genovese E; "Evidence-Based Clinical Occupational Medicine: Updating the ACOEM Occupational Medicine Practice Guidelines"; in Clinics in Occupational and Environmental Medicine; Elsevier; Philadelphia, 2004
- 2005** Genovese, E; "Disability Determinations" in Physical Rehabilitation's Role in Disability Management; Clifton, D.W. ed.; Elsevier Saunders 2005
- 2005** Cutler WB, Zacher M & Genovese E; "Evidence that Sex Attractant Pheromone Effects Increase with Continued Use"; poster ASRM Annual Meeting; September 2005
- 2005** Genovese E; "Acupuncture: Medical Literature Analysis and Recommendations"; Insights Winter 2005 1(2): 2-12
- 2005** Genovese, E, "Causation Analysis" and "Evidence-Based Medicine" in The Physician's Guide to Return to Work; Talmage J and Melhorn M ed AMA Press, Chicago 2005
- 2005** Galper J & Genovese E; " Exercise-Oriented Rehabilitation in the Management of Acute and Subacute Low Back pain": Insights – Summer 2005:5-11
- 2005** Hillwig C & Genovese E; " Spinal Manipulative Therapy in Acute and Sub-Acute Low Back pain": Insights; Summer 2005:2-4
- 2005** Genovese E; " Conclusions Regarding the Use of Exercise and Manipulative Therapy to Treat Acute and Subacute Low Pain"; Insights; Summer 2005: 11-12
- 2005** Genovese E; Galper J, Pack R, DeBord J; "Physical Agents for Neck and Back Pain"; Insights; Fall 2005: 1-12
- 2006** Triano JJ; Genovese E; "Spinal Manipulation Therapy in the Management of Chronic Low Back Pain"; Insights; Winter 2005: 8-12
- 2006** Genovese E; Galper J; Harris J: "Exercise in the Management of Chronic Low Back Pain", Insights Summer 2006; 3(2)
- 2006** Cutler W, Zacher M, Genovese E, (2006) Re: Effects of aromatase inhibition on sexual function and well-being in postmenopausal women treated with testosterone; a randomized, placebo-controlled trial." Menopause: The Journal of North American Menopause Society 13: 977-979

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- 2006** Genovese E; "ACCOEM's Revised Evidence-Based Practice Guidelines & Methodology", Insights Fall 2006; 2(4); 2-4
- 2006** Genovese E; Warren P; "The Use of Cognitive Behavioral Therapy to Manage Chronic Back Pain - Literature Review", Insights Fall 2006; 2(4); 5-10
- 2006** Warren P, Galper J, Genovese E; "CBT in the Management of Back Pain – A Possible Model", Insights Fall 2006; 2(4); 10-12
- 2007** Genovese, E, Harris J, Korevaar W, "Role of Opioids in the Management of Work Injuries: Part 1, Focused Literature Review". Insights, Winter 2007; 3(1): 1-7
- 2007** Harris J, Korevaar W, Genovese E; "Role of Opioids in the Management of Work Injuries: Part 2, Recommendations"; Insights, Winter 2007; 3(1):8-12
- 2007** Genovese, E; The Role of Nonsteroidal Anti-inflammatory Drugs in the Management of Musculoskeletal Pain"; Insights, Spring 2007; 3(2): 1-11
- 2007** Aronoff G. M., Mandel S., Genovese E., et al. (2007). "Evaluating malingering in contested injury or illness." Pain Practitioner 7(2): 178-204.

IN PROGRESS:

- 2007** Genovese E, Hyman M; "Causation in Common Cardiovascular Problems" in Guides to the Evaluation of Disease and Injury Causation
- 2007** Genovese E, Hyman M; "Causation in Common Pulmonary Problems", in Guides to the Evaluation of Disease and Injury Causation
- 2007** Genovese E, Hyman M; "Causation in Common Gastrointestinal Problems", in Guides to the Evaluation of Disease and Injury Causation

Updated: 10/2/07