

Nomination of Kevin Nelson, Ph.D., for IRPA Executive Council 2024-2028.

The Health Physics Society (HPS) is pleased to support the nomination of Kevin Nelson, Ph.D., to the IRPA Executive Council for the term 2024-2028. His CV is attached. Since becoming a radiation protection professional in 1980, Kevin has served in academic, regulatory, manufacturing, and medical roles. For nearly three decades, Kevin has served as a medical health physicist and Radiation Safety Officer at Mayo Clinic, a well-known medical institution in the United States. He received his board certification from the American Board of Health Physics in 1992.

Kevin served as President of HPS and on many HPS committees including Finance, Strategic Planning, Legislation & Regulation and Scientific & Public Issues. He was awarded the HPS Fellow Award in 2008.

Most recently, Kevin has had the privilege of serving as the IRPA Vice President for Congress Affairs in a COVID-shortened term from 2021-2024.

Dr Nelson's statement of motivation is attached.

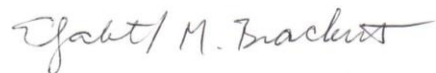
Kevin Nelson State of Motivation

Serving as the IRPA Vice President for Congress Affairs for the past 3 years has been one of the highlights of my professional career. I have a much deeper understanding of the role IRPA plays in the radiation protection community. Overall support for Associate Society members, radiation protection guidance, training and interaction with other radiation protection societies are but a few of the activities IRPA performs for its 18,000 members in 53 associate societies but I believe we can still do more.

If elected to the IRPA EC, I would focus my attention in two main areas. First, as I approach the end of my career, I am strongly motivated to look for opportunities to pass the knowledge I have gained to the next generation of radiation protection professionals. To this end, I've been working with the IRPA YGN to develop an IRPA mentoring guidance document that could assist AS members. Secondly, for most of my professional career I've worked in large medical, education and research centers. I believe there is a need from Associate Society members for radiation protection education and training in the medical field on a variety of topics. Advances in technology now allow us the opportunity to provide this education and training in new and innovative ways.

Thank you for your consideration and support.

Nomination submitted on 05-Mar-2024 by:



Elizabeth Brackett
HPS President 2023-2025

Curriculum Vitae and Bibliography

Kevin L Nelson, PhD, CHP

Personal Information

Citizenship: United States of America
Work Address: Mayo Clinic Arizona
13400 E. Shea Blvd.
Scottsdale, AZ. 85259
Email Address: nelson.kevin2@mayo.edu

Present Academic Rank and Position

Radiation Safety Officer – Mayo Clinic, Phoenix, AZ.	10/2014 - Present
Radiation Safety Officer - Mayo Clinic, Jacksonville, Florida	10/1995 – 09/2014
Assistant Professor of Radiology - Mayo Clinic College of Medicine	10/2004 – Present
Consultant - Division of Preventive, Occupational and Aerospace Medicine, Department of Internal Medicine, Mayo Clinic, Scottsdale, Arizona	10/2014 - 02/2016
Consultant - Department of Radiology, Mayo Clinic, Phoenix, Arizona	02/2016 - Present

Education

University of Minnesota - BS, Biology/Chemistry	1979
University of Minnesota - MS, Env. Health with specialization in Health Physics	1980
University of Minnesota - PhD, Env. Health with specialization in Health Physics	1991

Certification

Board Certifications

American Board of Health Physics

Comprehensive Health Physics	1992 - Present
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State of Florida Medical Health Physicist

Health Physicist	1997 - Present
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Licensure

Florida	MHP 2 (Medical)	2003 - Present
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Honors and Awards

North Central Chapter Award - Health Physics Society	1993
Fellow - Health Physics Society	2008

Previous Professional Positions and Major Appointments

Senior Health Physicist - University of Minnesota, Minneapolis, Minnesota	1980 - 1988
Power Reactor Drill Coordinator and Joint Public Information Officer - Radiation Control Section, Minnesota Department of Health, St. Paul, Minnesota	1981 - 1991
Project Scientist - Radiological Sciences Division, Brookhaven National Laboratory, Upton, New York	1988 - 1989
Senior Health Physicist - University of Minnesota, Minneapolis, Minnesota	1989 - 1991
Health Physicist - 3M, St. Paul, Minnesota	1991 - 1995
Consultant - Department of Radiology, Mayo Clinic, Jacksonville, Florida	10/1995 - 09/2014
Instructor of Radiology - Mayo Clinic College of Medicine	01/1997 - 09/2014
Director - Environmental Health & Occupational Safety, Department of Radiology, Mayo Clinic, Jacksonville, Florida	1997 – 09/2014
State of Florida – Bureau of Radiation Control - Subject Matter Expert	2010-09/2014

Professional and Community Memberships, Societies, and Services

Professional Memberships and Services

American Association of Physicists in Medicine Member	2000 - Present
American Lung Association Planning Committee for Radon Conference Member	1988
Arizona Bureau of Radiation Control Subject Matter Expert	2017-present
Arizona Radiation Regulatory Hearing Board	2018-present
Brookhaven National Laboratory Radiological Sciences Division Consultant	01/1989 - 01/1991
Department of Environmental Health and Occupational Safety Founder	1996
Member	1999 – 09/2014
Florida Chapter Health Physics Society Member	1996 - Present
Executive Council Member	1997
President-Elect	1998 and 2012
President	1999 and 2013
Florida Domestic Security Task Force Northeast Region Member	2001 – 09/2014

Florida Hospital Association

Member	2006 - 2007
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Statewide Advisory Group to Review Hospital Response to Radiological Incidents	
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Member	2006 - 2007
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Florida State Working Group: Nuclear Terrorism Response

Member	01/2004 – 09/2014
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Florida Bureau of Radiation Control

Subject Matter Expert	2010-09/2014
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Health Physics Society

Plenary Member	1983 - Present
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President-Elect	07/2006 - 07/2007
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President	07/2007 - 07/2008
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Past President	07/2008 - 07/2009
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American Board of Health Physics Part 1 Passing Point Workshop

Member	1994
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Awards Committee

Member	07/2007 – 07/2012
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Board of Directors

Member	07/2002 - 07/2005
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Executive Committee

Member	07/2006 - 07/2009
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Finance Committee

Member	07/2002 - 07/2005
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Legislation & Regulation Committee

Member	07/1996 - 07/2002
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Chair	07/1999 - 07/2002
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Manpower Needs Assessment Committee

Chair	01/2002 - 01/2005
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Member	01/2002 - 01/2005
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Membership Committee

Member	01/1995 - 01/1996
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N14, HPS/ANSI, Transportation of Fissile and Radioactive Material

Member	01/1990 – Present
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Nominating Committee

Member	07/2012 – 07/2018
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Scientific & Public Issues Committee

Member	07/2006 – 07/2011
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Strategic Planning Committee

Member	07/2005 - 07/2006
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International Radiation Protection Association (IRPA)

Vice President for Congress Affairs	2021 – 2024
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North Central Chapter Health Physics Society

Member	1981 - Present
Executive Council Member	1983 - 1986
President-Elect	1990
President	1991

Radiological Society of North America

Member	1996 – 2010
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State of Florida

Bureau of Radiation Control	
Radiation Response Volunteer Corp Training	
Member	06/2008

State of Minnesota

Advisory Committee to Revise the State of Minnesota's Ionizing Radiation Regulations	
Member	1988 - 1990
Radiation Control Section	
Consultant	1981 - 1991

Journal Responsibilities**Journal Editorial Responsibilities**

Health Physics	
Associate Editor	1992 - 2003

Educational Activities**Curriculum and Course Development** 1995 - 2014

Radiopharmaceuticals
Radiation Oncology Resident Lecture
Mayo Medical School

Radiation Protection for Radiation Oncologists
Radiation Oncology Resident Lecture
Mayo Medical School

Radiation Protection
Radiology Resident lecture
Mayo Medical School

Radiation Safety Regulations
Radiology Resident lecture
Mayo Medical School

Radiation Biology Overview
Radiology Resident lecture
Mayo Medical School

Radiation Biology 1
Radiology Resident lecture
Mayo Medical School

Radiation Biology 2
Radiology Resident lecture
Mayo Medical School

Radiation Biology 3
Radiology Resident lecture
Mayo Medical School

Teaching Intramural

Radiation Safety Annual Refresher Training for Research Staff Mayo Clinic College of Medicine Jacksonville, Florida	1995 - 2014
Radiation Safety Training for Staff Caring for Radiopharmaceutical Therapy or Brachytherapy Patients Department of Radiology	1995 - 2014
Radiation Safety for Housekeeping Staff Department of Radiology	1995 - 2014
Radiation Safety for Nuclear Medicine Staff Department of Radiology	1995 - 2014
Radiation Safety Training for Interventionalists Department of Radiology	1995 - 2014
Radiation Safety Training for Blood Bank Personnel	1995 - 2014
HAZMAT Training	1995 - 2014
Radiation Safety for Radiation Oncology Staff	1995 - 2014
Mayo Clinic Jacksonville Radiology Residency Program Instructor Mayo Clinic College of Medicine Jacksonville, Florida	2001 - 2014
Response to Incidents Involving Radiation Workshop Mayo Clinic Jacksonville Jacksonville, Florida	09/2002
Radiation Safety and Risk Management Minicourse: RSO Physics for Physicians and Other Healthcare Professionals Radiological Society of North America Annual Meeting Chicago, Illinois	11/2002
Radiation Safety and Risk Management Minicourse: RSO Physics for Physicians and Other Healthcare Professionals Radiological Society of North American Annual Meeting Chicago, Illinois	11/2003
Radiation Safety and Risk Management Minicourse: RSO Physics for Physicians and Other Healthcare Professionals Radiological Society of North American Annual Meeting	11/2004

Chicago, Illinois

Mayo Clinic Jacksonville Radiation Oncology Residency Program Mayo Clinic College of Medicine Jacksonville, Florida	2005 - 2014
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Radiation Safety and Risk Management Minicourse: RSO Physics for Physicians and Other Healthcare Professionals Radiological Society of North American Annual Meeting Chicago, Illinois	11/2005
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Institutional/Departmental Administrative Responsibilities, Committee Memberships, and Other Activities

Mayo Clinic Enterprise

Mayo Clinic Committees

Environmental Health, Safety & Security Coordination Committee	
Member	01/1996 – 09/2014
Chair	01/2008 – 01/2015
Materials Management Safety Review Committee	
Co-Chair	01/2001 - 12/2003
Member	01/2001 - 12/2003
Mayo Foundation Radiation Safety Committee	
Member	01/1996 - Present

Mayo Clinic in Florida

Mayo Clinic Florida Committees

Clinical Risk Management Committee	
Member	01/2001 - 12/2007
Emergency Incident Command Committee	
Member	01/2004 - 12/2007
Emergency Management Subcommittee	
Member	01/1999 – 09/2014
Chair	01/2008 - 09/2014
Environmental Safety Committee	
Member	01/1997 - 09/2014
Chair	01/1998 - 09/2014
Laser Safety Committee	
Chair	01/1999 - 09/2014
Member	01/1999 - 09/2014
Materials Analysis Committee	
Member	01/1999 - 12/2007

MR Safety Committee	
Member	01/2001 - 09/2014
Chair	01/2001 - 12/2006
Radiation Safety Committee	
Secretary	
Member	10/1995 - 09/2014
Mayo Clinic Florida Task Forces	
Terrorism Response Task Force	
Co-Chair	11/2001 - 01/2003
Member	11/2001 - 01/2003
St. Luke's Hospital	
Environmental Safety Committee	
Member	01/1997 - 04/2008
Radiation Safety Committee	
Member	01/1995 - 12/1999
Risk Management Committee	
Member	01/2003 - 12/2007

Presentations Extramural**National or International****Invited**

Nuclear Terrorism Response Mayo Clinic Alumni Association Meeting Scottsdale, Arizona	10/2003
HPS Activities in Homeland Security and Instrumentation 17th Annual Users' Group Meeting Savannah, Georgia	09/25/2007
Homeland Security Issues for Nuclear Pharmacy APhA Meeting San Diego, California	03/15/2008
National Deficit: \$9,374,040,662,443; Health Physics Society Membership: Priceless 40th National Conference on Radiation Control Greensboro, North Carolina	05/20/2008
Use of $^{137}\text{CsCl}$ Irradiator for Blood Irradiation NRC CsCl Workshop The Universities of Shady Grove	11/08/2010
Licensees' Perspective on Storage and Disposal of CsCl Sources NRC CsCl Workshop The Universities of Shady Grove	11/08/2010
Use of X-rays in the Healing Arts: Should It Be Regulated? An RSO Perspective 44 th Annual National Conference on Radiation Control Orlando, Florida	05/08/2012

Oral

Health Physics Society Manpower Assessment Universities, Industry and Government Meeting: Partners for the Future of Nuclear Education and Technology Meeting Albany, New York	10/2002
Health Physics Human Capital Crisis EFCOG Executive Director's Meeting Washington, District of Columbia	11/2002
Practice Issues for Nuclear Pharmacies American Pharmaceutical Association Meeting New Orleans, Louisiana	03/2003

Health Physics Society Human Assessment American Nuclear Society Annual Meeting San Diego, California	06/2003
Time Analysis Study Comparing Nuclear Medicine Technologists' Radiation Exposure from 18 F FDG Exams on a Modified NaI Scanner with dedicated Full Ring BGO Detector System 48th Annual Meeting of the Health Physics Society San Diego, California	07/24/2003
Radiation Safety Without Borders: Where Have We Been and Where Are We Going? 49th Annual Meeting of the Health Physics Society Washington, District of Columbia	07/14/2004
Impact of Additional Security Measures on Use of Radiation Sources in Medicine 2005 Topical Meeting of the Health Physics Society New Orleans, Louisiana	02/14/2005
Summary of HP Academic Manpower and Future Demand AAHP Special Session on Health Physics Education: Status of Academic Programs, Student Recruitment, Funding and Accreditation 52nd Annual Meeting of the Health Physics Society Portland, Oregon	07/10/2007
Radiation Safety Officer Safety Culture In My Work 55 th Annual Meeting of the Health Physics Society Salt Lake City, Utah	06/30/2010
HPS Toolbox 55th Annual Meeting of the Health Physics Society Salt Lake City, Utah	06/30/2010
An RSO Perspective on I-131 Patient Release Criteria and Patient Recommendations Medical Section Special Session: Patient Release 57 th Annual Meeting of the Health Physics Society Sacramento, California	07/24/2012
Is There a Future for Medical Health Physicists? 60 th Annual Meeting of the Health Physics Society Indianapolis, IN.	07/16/15

Poster

Radiation Sources in Medicine: Impact of Additional Security Measures 11th International Congress of the International Radiation Protection Association Madrid, Spain	05/2004
Impact on Additional Security Measures on Use of Radiation Sources In Medicine	02/2005

2005 Topical Meeting of the Health Physics Society
New Orleans, LA

Regional

Invited

Human Capital Crisis Robert Wissink Memorial Lecturer North Central Chapter Health Physics Society Meeting St. Paul, Minnesota	09/2003
Medical Response to Radiation Incidents Buckeye Chapter Health Physics Society Meeting Columbus, Ohio	09/25/2006
Medical Response to Radiation Incidents Ohio State University American Nuclear Society Meeting Columbus, Ohio	09/26/2006
Medical Response to Radiation Incidents University of Cincinnati American Nuclear Society Chapter Meeting Columbus, Ohio	09/26/2006
Medical Response to Radiation Incidents Bluegrass Chapter Health Physics Society Meeting Cincinnati, Ohio	09/27/2006
Medical Response to Radiation Incidents Cincinnati Radiation Society Meeting Cincinnati, Ohio	09/27/2006
Medical Response to Radiation Incidents North Central Chapter Health Physics Society Meeting St Paul, Minnesota	09/29/2006
Medical Response to Radiation Incidents Mid America Chapter Health Physics Society Meeting Omaha, Nebraska	10/06/2006
Medical Response to Radiation Incidents New England Chapter Health Physics Society Meeting Boston, Massachusetts	10/10/2006
Medical Response to Radiation Incidents Connecticut Chapter Health Physics Society Meeting Boston, Massachusetts	10/11/2006

Medical Response to Radiation Incidents Virginia Chapter Health Physics Society Meeting Richmond, Virginia	10/13/2006
Medical Response to Radiation Incidents Baltimore Washington Chapter Health Physics Society Meeting Washington, District of Columbia	10/16/2006
Medical Response to Radiation Incidents Delaware Valley Chapter Health Physics Society Meeting Philadelphia, Pennsylvania	10/17/2006
Medical Response to Radiation Incidents Florida Chapter Health Physics Society Meeting Captiva Island, Florida	10/19/2006
Medical Response to Radiation Incidents North Carolina Chapter Health Physics Society Meeting North Carolina	11/02/2006
Medical Response to Radiation Incidents Greater New York Chapter Health Physics Society Meeting Newark, New Jersey	11/06/2006
Medical Response to Radiation Incidents New Jersey Chapter Health Physics Society Meeting Newark, New Jersey	11/06/2006
Medical Response to Radiation Incidents Rio Grande Chapter Health Physics Society Meeting Albuquerque, New Mexico	11/10/2006
Medical Response to Radiation Incidents East Tennessee Chapter Health Physics Society Meeting Oak Ridge, Tennessee	11/14/2006
Medical Response to Radiation Incidents Atlanta Chapter Health Physics Society Meeting Atlanta, Georgia	01/09/2007
Medical Response to Radiation Incidents Lake Mead Chapter Health Physics Society Meeting Las Vegas, Nevada	02/01/2007
Medical Response to Radiation Incidents Deep South Chapter Health Physics Society Meeting Baton Rouge, Louisiana	02/12/2007

Medical Response to Radiation Incidents Alabama Chapter Health Physics Society Meeting Birmingham, Alabama	02/16/2007
Medical Response to Radiation Incidents Great Lakes Chapter Health Physics Society Meeting Ann Arbor, Michigan	02/21/2007
Medical Response to Radiation Incidents Northeast Chapter Health Physics Society Meeting Albany, New York	02/27/2007
Medical Response to Radiation Incidents Susquehanna Chapter Health Physics Society Meeting Hershey, Pennsylvania	03/19/2007
Medical Response to Radiation Incidents Western Pennsylvania Chapter Health Physics Society Meeting Pittsburgh, Pennsylvania	03/20/2007
Medical Response to Radiation Incidents Northern Ohio Chapter Health Physics Society Meeting Cleveland, Ohio	03/21/2007
Medical Response to Radiation Incidents Cascade Chapter Health Physics Society Meeting Portland, Oregon	04/06/2007
Medical Response to Radiation Incidents Columbia Chapter Health Physics Society Meeting Richland, Washington	04/09/2007
Medical Response to Radiation Incidents Northern California Chapter Health Physics Society Meeting Oakland, California	04/12/2007
Medical Response to Radiation Incidents Sierra Nevada Chapter Health Physics Society Meeting Sacramento, California	04/13/2007
Medical Response to Radiation Incidents South Texas Chapter Health Physics Society Meeting College Station, Texas	04/21/2007
Medical Response to Radiation Incidents Eastern Idaho Chapter Health Physics Society Meeting Salt Lake City, Utah	04/27/2007

Medical Response to Radiation Incidents 04/27/2007
Greater Salt Lake Chapter Health Physics Society Meeting
Salt Lake City, Utah

Medical Response to Radiation Incidents 05/03/2007
Western New York Chapter Health Physics Society Meeting
Rochester, New York

Medical Response to Radiation Incidents 05/22/2007
Midwest Chapter Health Physics Society Meeting
Chicago, Illinois

HPS Homeland Security and Dosimetry Opportunities 06/04/2007
26th Annual International Dosimetry Symposium
Portland, Maine

Medical Response to Radiation Incidents 06/13/2007
Arkansas Chapter Health Physics Society Meeting
Little Rock, Arkansas

Radon: Where are We Going? An HPS Perspective 09/10/2007
17th National Radon Conference
Jacksonville, Florida

Yttrium-90 Microsphere Therapy Treatment 10/12/2007
Florida Chapter Health Physics Society Meeting
World Gold Village, Florida

Homeland Security Issues for Hospitals 05/08/2008
FSHSSEMP Meeting
Jacksonville, Florida

Oral

Safety Issues Regarding Ophthalmic Laser Eye Procedures 10/1999
Florida Chapter Health Physics Society Meeting
St. Augustine, Florida

Lymphoscintigraphy 04/2001
Florida Chapter of the American Association of Physicists in Medicine Meeting
Orlando, Florida

Legislative & Regulatory Issues Pertaining To Radiation 09/2001
Florida Chapter Health Physics Society/AAPM Meeting
Duck Key, Florida

PET: History and Financial Considerations Florida Chapter Health Physics Society/AAPM Meeting Duck Key, Florida	09/2001
Zevalin - The Mayo Clinic Jacksonville Perspective Florida Chapter Health Physics Society Meeting Cocoa Beach, Florida	09/2002
Health Physics Society Human Capital Crisis Assessment Florida Chapter Health Physics Society Meeting St. Augustine, Florida	04/2003
Human Capital Crisis in Health Physics North Carolina Health Physics Society Meeting Wrightsville, North Carolina	04/2003

Research Interests

IRB# 1277-01 "Prospective Trial of Radioactive Seed Localization of Non-Palpable Breast Lesions" IRB# 35-00
"Endosonographically-Directed Intratumoral Brachytherapy with Concomitant Gemcitabine in Nonresectable
Pancreatic Cancer"

Bibliography

Peer-reviewed Articles

1. Young AT, Morin RL, Hunter DW, **Nelson KL**, Cardella JF, Castaneda-Zuniga WR, Amplatz K. Surface shield: device to reduce personnel radiation exposure. *Radiology*. 1986 Jun; 159(3):801-3. PMID:3704160
2. **Nelson K**, Staiger J. Consequences of the unauthorized disposal of 32P and 35S: a bureaucratic nightmare. *Health Physics Society Newsletter*. 1990; 18(10):1, 5-7.
3. Kaplan E, **Nelson K**, Meinhold CB. Pilot program to assess proposed basic quality assurance requirements in the medical use of byproduct materials. Springfield, VA: National Technical Information Service: Report No. NUREG/CR-5798.
4. **Nelson K**, Baum JW. Health risk assessment of irradiated topaz. Springfield, VA: National Technical Information Service: Report No. NUREG/CR-5883.
5. Randle HW, **Nelson K**. Are atomic veterans at higher risk of skin cancer? *Skin Cancer Foundation Journal*. 2002; XX:22-4, 100-4.
6. **Nelson KL**, Randle HW. Skin cancer in an atomic veteran: Cause or coincidence? *Dermatol Surg*. 2003 Nov; 29(11):1100-4. PMID:14641333
7. Klaus A, Hinder RA, Nguyen JH, **Nelson KL**. Small bowel transit and gastric emptying after biliodigestive anastomosis using the uncut jejunal loop. *Am J Surg*. 2003 Dec; 186(6):747-51. PMID:14672790
8. **Nelson KL**. In addition to the current byproduct materials, it is important that the Nuclear Regulatory Commission take over regulation of naturally occurring and accelerator-produced radioactive materials. For the proposition. *Med Phys*. 2006 Feb; 33(2):255-6. PMID:16532928
9. Berland TL, Smith SL, Metzger PP, **Nelson KL**, Fakhre GP, Chua HK, Burnett OL, Falkensammer J, Hickman HJ, Hinder RA. Intraoperative gamma probe localization of the ureters: a novel concept. *J Am Coll Surg*. 2007 Oct; 205(4):608-11. Epub 2007 Jul 20. PMID:17903737 DOI:10.1016/j.jamcollsurg.2007.04.017
10. **Nelson K**, Vause PE Jr, Koropova P. Post-mortem considerations of Yttrium-90 90Y microsphere therapy procedures. *Health Phys*. 2008 Nov; 95(5 Suppl):S156-61. PMID:18849708 DOI:10.1097/01.HP.0000318887.65414.15
11. Nottmeier EW, Bowman C, **Nelson KL**. Surgeon radiation exposure in cone beam computed tomography-based, image-guided spinal surgery. *Int J Med Robot*. 2012 Jun; 8(2):196-200. Epub 2011 Nov 23. PMID:22114012 DOI:10.1002/rcs.450
12. Nottmeier EW, Pirris SM, Edwards S, Kimes S, Bowman C, **Nelson KL**. Operating room radiation exposure in cone beam computed tomography-based, image-guided spinal surgery: clinical article. *J Neurosurg Spine*. 2013 Aug; 19(2):226-31. Epub 2013 May 31. PMID:23725398 DOI:10.3171/2013.4.SPINE12719
13. **Nelson K**. 2014 Distinguished Scientific Achievement Award--Wesley Emmett Bolch. *Health Phys*. 2014 Dec; 107(6):481-2. PMID:25353222 DOI:10.1097/HP.0000000000000194
14. **Nelson K**. 2014 Geoffrey G. Eichholz Outstanding Science Teacher Award--Joshua Mocherman. *Health Phys*. 2014 Dec; 107(6):495-6. PMID:25353228 DOI:10.1097/HP.0000000000000202

NUREG'S

1. Kaplan E, **Nelson K**, Meinhold CB. Pilot program to assess proposed basic quality assurance requirements in the medical use of byproduct materials. Springfield, VA: National Technical Information Service: NUREG/CR-5798.
2. **Nelson K**, Baum JW. Health risk assessment of irradiated topaz. Springfield, VA: National Technical Information Service: NUREG/CR-5883.

Book Chapters

1. **Nelson K** and Classic K; Informed Consent in Radiation Medicine Practice and Research in Radiation Protection in Medical Imaging and Radiation Oncology, RJ Vetter and MS Stoeva, editors., CRC Press, 2016.
2. **K Nelson**; Radiation Dose Optimization and Management in Patient Skin Dose with Fluoroscopy: A Review of Present methodology and DICOM Information; A Joint Report of AAPM Task Group 246 and EFOMP (in review)

Letters

1. **Nelson K**. From the Incoming President HP News. 2007 Jul 1; 35(7).
2. **Nelson K**. President Kevin Nelson HP News. 2007 Aug 1; 35(8).
3. **Nelson K**. Reflections from Portland HP News. 2007 Sept 1; 35(9).
4. **Nelson K**. Death, Taxes and... Dues Increases HP News. 2007 Oct 1; 35(10).
5. **Nelson K**. Government Relations Program HP News. 2007 Nov 1; 35(11).
6. **Nelson K**. President's Message HPS Membership Handbook. 2007 Nov.
7. **Nelson K**. Calling All Volunteers HP News. 2007 Dec 1; 35(12).
8. **Nelson K**. HPS Responds to CT Article HP News. 2008 Jan 1; 36(1).
9. **Nelson K**. Generational Differences HP News. 2008 Feb 1; 36(2).
10. **Nelson K**. Preliminary Survey Results HP News. 2008 Mar 1; 36(3).
11. **Nelson K**. Preliminary Survey Results - Comments HP News. 2008 Apr 1; 36(4).
12. **Nelson K**. Senator Pete V. Domenici - First Health Physics Society Distinguished Public Service Award Recipient HP News. 2008 Jun 1; 36(6).
13. **Nelson K**. The Primer - What We Do Best HP News. 2008 Jul 1; 36(7).
14. **Nelson K**. Thanks for the Opportunity of a Lifetime HP News. 2008 Aug 1; 36(8).

Abstracts

1. **Nelson KL**, et al. Time analysis study comparing nuclear medicine technologists' radiation exposure from 18F FDG exams on a modified Nal scanner with dedicated full ring BGO detector system. Health Physics:2003;84(6):S257-258.

2. Nottmeier EW, Bowman C, **Nelson K**. Surgeon Radiation Exposure Using cbCT in Image-guided Spinal Surgery. In Abstracts of the 64th Annual Meeting of the Neurosurgical Society of America. March, 2011.
3. Krishna M, Pursell K, **Nelson K**. Liver specimens containing yttrium-90 microspheres: is radioactive contamination preventable? Lab Invest. 2015 Feb; 95:502A.
4. Krishna M, Pursell K, **Nelson K**. Liver specimens containing yttrium-90 microspheres: is radioactive contamination preventable? Mod Pathol. 2015 Feb; 28:502A.

Miscellaneous

1. Staiger J, **Nelson K**, editors. University of Minnesota Radiation Protection Manual. 128 p.
2. **Nelson K**, editor. Mayo Clinic Jacksonville Radiation Safety Manual. 161 p.
3. **Nelson K**. MCJ Personal Protective Equipment Program MCJ Safety website. 1996.
4. **Nelson K**. Fire Safety Plan. MCJ Safety website. 1997.
5. **Nelson K**. MCJ Chemical Spill Response and Hazardous Waste Management Plan MCJ Safety website. 1997.
6. **Nelson K**. MCJ Evacuation Plan MCJ Safety website. 1997.
7. **Nelson K**. MCJ Hurricane Plan MCJ Safety website. 1997.
8. **Nelson K**. MCJ Respiratory Protection Program MCJ Safety website. 1997.
9. **Nelson K**. MCJ Communications Outage Plan MCJ Safety website. 1998.
10. **Nelson K**. MCJ Eye Conservation Program MCJ Safety website. 1998.
11. **Nelson K**, Snapp M. MCJ Hazard Communication Plan. MCJ Safety website. 1998.
12. **Nelson K**. MCJ Indoor Air Quality Plan MCJ Safety website. 1998.
13. **Nelson K**, Snapp M. SLH Hurricane Plan. MCJ Safety website. 1998.
14. Snapp M, **Nelson K**. MCJ Comprehensive Emergency Management Plan MCJ Safety website. 1999.
15. **Nelson K**, Snapp M. MCJ Disaster Child Care Plan MCJ Safety website. 1999.
16. Snapp M, Cooper B, **Nelson K**. MCJ Emergency Shut Off of the Oxygen System MCJ Safety website. 1999.
17. **Nelson K**, Bridegan G. MCJ Ergonomics Plan MCJ Safety website. 1999.
18. **Nelson K**, Snapp M. MCJ Mass Casualty Incident (MCI) Plan MCJ Safety website. 1999; MCI).
19. Snapp M, **Nelson K**. MCJ Chemical Hygiene Plan MCJ Safety website. 2000.
20. **Nelson K**. MCJ Laser Safety Plan MCJ Safety website. 2000.

21. Hellinger W, **Nelson K**, Snapp M. MCJ Biological Terrorism Response Plan MCJ Safety website. 2002.
22. **Nelson K**. MCJ Bomb Threat Plan MCJ Safety website. 2002.
23. Snapp M, **Nelson K**. MCJ Chemical Terrorism Response Plan. MCJ Safety website. 2003.
24. Snapp M, **Nelson K**. MCJ Healthcare Incident Command System (HICS) MCJ Safety website. 2003; HICS).
25. **Nelson K**. MCJ Nuclear Terrorism Response Plan MCJ Safety website. 2003.
26. Snapp M, **Nelson K**. MCJ Special Needs Shelter Activation and Operation MCJ Safety website. 2003.
27. **Nelson K**. MCJ Interim Life Safety Measures and Related General Construction Safety Considerations MCJ Safety website. 2004.
28. Snapp M, **Nelson K**. MCJ Emergency Eyewash and Shower Testing and Inspection Program MCJ Safety website. 2005.
29. Snapp M, **Nelson K**. MCJ Vertical Relocation Plan MCJ Safety website. 2006.
30. Cooper B, Snapp M, **Nelson K**. MCJ Utilities Failure Response Plan MCJ Safety website. 2007.
31. Cipriani J, **Nelson K**. MCJ Elevator Outage Staff Response Plan MCJ Safety website. 2008.
32. **Nelson K**. Joshua Mocherman at the 59th annual meeting of the Health Physics Society Baltimore, Maryland 13-17 July 2014. Health Phys. 2014 Dec; 107(6):495-6.
33. **Nelson K**. Wesley Emmett Bolch at the 59th annual meeting of the Health Physics Society Baltimore, Maryland 13-17 July 2014. Health Phys. 2014 Dec; 107(6):481-2.