# 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, 10/2014 - 02/2016

Department of Internal Medicine, Mayo Clinic, Scottsdale, Arizona

**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

State of Florida Medical Health Physicist

Health Physicist 1997 - Present

Licensure

Florida MHP 2 (Medical) 2003 - Present

### **Honors and Awards**

North Central Chapter Award - Health Physics Society 1993

Fellow - Health Physics Society 2008

Senior Health Physicist - University of Minnesota, Minneapolis, Minnesota 1980 - 1988 Power Reactor Drill Coordinator and Joint Public Information Officer -1981 - 1991 Radiation Control Section, Minnesota Department of Health, St. Paul, Minnesota **Project Scientist** - Radiological Sciences Division, Brookhaven National 1988 - 1989 Laboratory, Upton, New York 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, 1997 - 09/2014Mayo Clinic, Jacksonville, Florida 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<br>Subject Matter Expert | 2017-present   |
| Arizona Radiation Regulatory Hearing Board                   | 2018-present   |
| Brookhaven National Laboratory                               |                |

| 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    |

07/2005 - 07/2006

|  | 9-                |
|--|-------------------|
| Florida Hospital Association   |                   |
| Member   | 2006 - 2007       |
| Statewide Advisory Group to Review Hospital Response to Radiological Incidents |                   |
| Member   | 2006 - 2007       |
| Florida State Working Group: Nuclear Terrorism Response                        |                   |
| Member   | 01/2004 – 09/2014 |
| Florida Bureau of Radiation Control Subject Matter Expert                      | 2010-09/2014      |
| Health Physics Society   |                   |
| Plenary Member   | 1983 - Present    |
| President-Elect  | 07/2006 - 07/2007 |
| President  | 07/2007 - 07/2008 |
| Past President   | 07/2008 - 07/2009 |
| American Board of Health Physics Part 1 Passing Point Workshop                 |                   |
| Member   | 1994              |
| Awards Committee   |                   |
| Member   | 07/2007 – 07/2012 |
| Board of Directors   | 07/0000 07/0005   |
| Member Executive Committee   | 07/2002 - 07/2005 |
|  | 07/2006 07/2000   |
| Member Finance Committee   | 07/2006 - 07/2009 |
| Member   | 07/2002 - 07/2005 |
| Legislation & Regulation Committee   | 07/2002 - 07/2003 |
| Member   | 07/1996 - 07/2002 |
| Chair  | 07/1999 - 07/2002 |
| Manpower Needs Assessment Committee  | 01/1000 - 01/2002 |
| Chair  | 01/2002 - 01/2005 |
| Member   | 01/2002 - 01/2005 |
| Membership Committee   | 01/2002 01/2000   |
| Member   | 01/1995 - 01/1996 |
| N14, HPS/ANSI, Transportation of Fissile and Radioactive Material              | 0.11.000          |
| Member   | 01/1990 – Present |
| Nominating Committee   | 07/2042 07/2042   |
| Member<br>Scientific & Public Issues Committee                                 | 07/2012 – 07/2018 |
| Member   | 07/2006 – 07/2011 |
| Strategic Planning Committee   |                   |
| ••   |                   |

# North Central Chapter Health Physics Society

Member

| Member                   | 1981 - Present |
|--------------------------|----------------|
| Executive Council Member | 1983 - 1986    |

President-Elect 1990
President 1991

Radiological Society of North America

Member 1996 – 2010

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**

| outining intramara.  |                   |
|--|-------------------|
| Radiation Safety Annual Refresher Training for Research Staff<br>Mayo Clinic College of Medicine<br>Jacksonville, Florida  | 1995 - 2014       |
| Radiation Safety Training for Staff Caring for Radiopharmaceutical Therap<br>Brachytherapy Patients<br>Department of Radiology   | oy or 1995 - 2014 |
| Radiation Safety for Housekeeping Staff<br>Department of Radiology   | 1995 - 2014       |
| Radiation Safety for Nuclear Medicine Staff<br>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<br>Instructor<br>Mayo Clinic College of Medicine<br>Jacksonville, Florida   | 2001 - 2014       |
| Response to Incidents Involving Radiation Workshop<br>Mayo Clinic Jacksonville<br>Jacksonville, Florida  | 09/2002           |
| Radiation Safety and Risk Management Minicourse: RSO Physics for Physical Other Healthcare Professionals Radiological Society of North America Annual Meeting Chicago, Illinois  | sicians 11/2002   |
| Radiation Safety and Risk Management Minicourse: RSO Physics for Physical Other Healthcare Professionals Radiological Society of North American Annual Meeting Chicago, Illinois | sicians 11/2003   |
| Radiation Safety and Risk Management Minicourse: RSO Physics for Physical Other Healthcare Professionals Radiological Society of North American Annual Meeting Chicago, Illinois | sicians 11/2004   |
| Mayo Clinic Jacksonville Radiation Oncology Residency Program  | 2005 - 2014       |

Mayo Clinic College of Medicine Jacksonville, Florida

Radiation Safety and Risk Management Minicourse: RSO Physics for Physicians 11/2005 and Other Healthcare Professionals
Radiological Society of North American Annual Meeting
Chicago, Illinois

# Institutional/Departmental Administrative Responsibilities, Committee Memberships, and Other Activities

## **Mayo Clinic Enterprise**

Mayo Clinic Committees

| 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

10/2003 Nuclear Terrorism Response Mayo Clinic Alumni Association Meeting Scottsdale, Arizona HPS Activities in Homeland Security and Instrumentation 09/25/2007 17th Annual Users' Group Meeting Savannah, Georgia 03/15/2008 Homeland Security Issues for Nuclear Pharmacy APhA Meeting San Diego, California National Deficit: \$9,374,040,662,443; Health Physics Society Membership: 05/20/2008 **Priceless** 40th National Conference on Radiation Control Greensboro, North Carolina Use of <sup>137</sup>CsCl Irradiator for Blood Irradiation 11/08/2010 NRC CsCl Workshop The Universities of Shady Grove Licensees' Perspective on Storage and Disposal of CsCl Sources 11/08/2010 NRC CsCl Workshop The Universities of Shady Grove Use of X-rays in the Healing Arts: Should It Be Regulated? An RSO Perspective 05/08/2012 44th Annual National Conference on Radiation Control Orlando, Florida Oral Health Physics Society Manpower Assessment 10/2002 Universities, Industry and Government Meeting: Partners for the Future of Nuclear **Education and Technology Meeting** Albany, New York Health Physics Human Capital Crisis 11/2002 **EFCOG Executive Director's Meeting** Washington, District of Columbia Practice Issues for Nuclear Pharmacies 03/2003 American Pharmaceutical Association Meeting

New Orleans, Louisiana

| Health Physics Society Human Assessment<br>American Nuclear Society Annual Meeting<br>San Diego, California  | 06/2003    |
|--|------------|
| Time Analysis Study Comparing Nuclear Medicine Technologists' Radiation Exposure from 18 F FDG Exams on a Modified Nal 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<br>AAHP Special Session on Health Physics Education: Status of Academic<br>Programs, Student Recruitment, Funding and Accreditation<br>52nd Annual Meeting of the Health Physics Society<br>Portland, Oregon | 07/10/2007 |
| Radiation Safety Officer Safety Culture In My Work 55 <sup>th</sup> Annual Meeting of the Health Physics Society Salt Lake City, Utah  | 06/30/2010 |
| HPS Toolbox<br>55th Annual Meeting of the Health Physics Society<br>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 <sup>th</sup> Annual Meeting of the Health Physics Society Sacramento, California   | 07/24/2012 |
| Is There a Future for Medical Health Physicists? 60 <sup>th</sup> 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               | 09/2003    |
|--|------------|
| St. Paul, Minnesota  |            |
| 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 Greater Salt Lake Chapter Health Physics Society Meeting Salt Lake City, Utah           | 04/27/2007 |
|---|------------|
| Medical Response to Radiation Incidents Western New York Chapter Health Physics Society Meeting Rochester, New York             | 05/03/2007 |
| Medical Response to Radiation Incidents Midwest Chapter Health Physics Society Meeting Chicago, Illinois                        | 05/22/2007 |
| HPS Homeland Security and Dosimetry Opportunities 26th Annual International Dosimetry Symposium Portland, Maine                 | 06/04/2007 |
| Medical Response to Radiation Incidents Arkansas Chapter Health Physics Society Meeting Little Rock, Arkansas                   | 06/13/2007 |
| Radon: Where are We Going? An HPS Perspective 17th National Radon Conference Jacksonville, Florida                              | 09/10/2007 |
| Yttrium-90 Microsphere Therapy Treatment Florida Chapter Health Physics Society Meeting World Gold Village, Florida             | 10/12/2007 |
| Homeland Security Issues for Hospitals FSHSSEMP Meeting Jacksonville, Florida   | 05/08/2008 |
| Oral  |            |
| Safety Issues Regarding Opthalamalic Laser Eye Procedures Florida Chapter Health Physics Society Meeting St. Augustine, Florida | 10/1999    |
| Lymphoscintigraphy Florida Chapter of the American Association of Physicists in Medicine Meeting Orlando, Florida               | 04/2001    |
| Legislative & Regulatory Issues Pertaining To Radiation Florida Chapter Health Physics Society/AAPM Meeting Duck Key, Florida   | 09/2001    |

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

### 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 Pancreatc 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
- Nottmeier EW, Bowman C, Nelson KL. Surgeon radiation exposure in cone beam computed tomographybased, 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.00000000000194
- 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.000000000000202

### **NUREG'S**

- 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**

- **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).
- 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.