

Joann Prisciandaro, PhD, DABR, FAAPM

Clinical Professor

University of Michigan Hospital
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Education and Training

Education

08/1992-05/1996 BA, New York University, New York, NY
05/1997-12/2001 PhD, Michigan State University, East Lansing, MI

Post-Doctoral Training

01/2002-09/2004 University of Michigan, Dept of Radiation Oncology, Mayo Clinic College of Medicine, Rochester, MN

Additional Education

06/1996-08/1996 D.O.E. Sponsored Nuclear and Radiochemistry summer school, D.O.E. sponsored Nuclear and Radiochemistry summer, San Jose State University, San Jose, CA
09/2007-06/2008 Medical Education Scholars Program, Medical Education Scholars Program, University of Michigan, Ann Arbor, MI
07/2008-08/2008 Becoming a Better Teacher of Medical Physics, Sponsored by the AAPM, Becoming a Better Teacher of Medical Physics, League City, TX
06/2016 Medical Physics Leadership Academy, AAPM Summer School, Chantilly, VA
07/2018 Improving the Teaching and Mentoring of Medical Physics, Sponsored by the AAPM, Improving the Teaching and Mentoring of Medical Physics, Nashville, TN

Certification And Licensure

Certification

06/2006-Present American Board of Radiology, Therapeutic Radiologic Physics

Work Experience

Academic Appointment

10/2004-08/2008 Clinical Instructor in Radiation Oncology, University of Michigan, Ann Arbor, MI
09/2008-08/2014 Clinical Assistant Professor in Radiation Oncology, University of Michigan, Ann Arbor, MI
09/2014-08/2019 Clinical Associate Professor in Radiation Oncology, University of Michigan, Ann Arbor, MI
09/2019-Present Clinical Professor in Radiation Oncology, University of Michigan, Ann Arbor, MI

Administrative Appointment

06/2006-12/2008 Co-Director of the Radiation Oncology Medical Physics Residency Program, University of Michigan, Ann Arbor, MI

01/2009-06/2017	Director of the Radiation Oncology Medical Physics Residency Program, University of Michigan, Ann Arbor, MI
07/2017-06/2019	Associate Director of the Radiation Oncology Medical Physics Residency Program, University of Michigan, Ann Arbor, MI
09/2017-11/2021	Director of Brachytherapy Physics, University of Michigan, Ann Arbor, MI
04/2021-08/2021	Interim Director of Clinical Physics. Served as physics lead for department re-accreditation, responsible for scheduling of clinical physics support, managed time-off requests, and assisted with management of clinical physics team with the newly identified Director of the Physics Division, University of Michigan, Ann Arbor, MI
09/2021-Present	Director of Clinical Physics, University of Michigan, Ann Arbor, MI

Clinical Appointments

01/2004-09/2004	Clinical Medical Physics Fellow, Emanuel St. Joseph Hospital, Mankato
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Research Interests

- MRI-guided brachytherapy
- Developing clinical high dose rate brachytherapy protocols
- Volume based planning for gynecological brachytherapy

Clinical Interests

- Management and oversight: Oversee a team of 13 clinical physics faculty and provide oversight of clinical physics operations to ensure the safe delivery of radiation oncology services. Responsibilities include but are not limited to (1) working with our clinical physics team to ensure the department's imaging and therapy equipment is appropriately calibrated and undergoes routine quality assurance in accordance with state and federal regulations, (2) creating and managing the clinical physics coverage schedules, (3) overseeing the timely review of physics and technology related policies, (4) working with department leadership and the Director of Physics to identify new technology and evaluate its appropriateness for our department, (5) working with the Director of Physics to prepare SBAR's (Situation, Background, Assessment, Recommendation) for capital and below threshold requests, and (6) participating and supervising routine clinical physics duties to support our patients and department.
- External Beam: Triage of linac (Varian 21EX/iX, TrueBeam, and Edge) and simulator (CT and MR) machine calls; 3D conformal and IMRT/VMAT treatment plan checks (Varian Eclipse), and weekly chart checks; review of IMRT/VMAT pre-treatment quality assurance; SBRT and SRS plan checks, review of pre-treatment QA, patient setup, image guidance, and treatment delivery.
- Brachytherapy: Former director of brachytherapy physicist; Designed and developed HDR program at main University of Michigan hospital based on a GammaMed iX afterloader for intracavitary, intraluminal, surface, and interstitial implants (prostate and gynecological); Commissioned MR guided brachytherapy program, including applicator and image sequence commissioning, and redesigning clinical and treatment planning workflow. Perform plan checks, daily, monthly, and quarterly quality assurance and new source acceptance and calibration. Performed radiation shielding calculations and involved in room design for designated HDR suite. Commissioned Y-90 microsphere program at main University Hospital. Designed and developed documentation and radiation safety procedures for the clinical implementation of Y-90 microsphere protocol; and microsphere treatment planning, sphere assay and radiation safety; Designed and developed intravascular brachytherapy (IVBT) program at the main campus of University of Michigan hospital (Novoste Beta-Cath).
- Radiation Safety: Supervisor of departmental radiation dosimeters; Departmental liaison with Radiation Safety; member of department Variance Committee and participate in weekly review of events with department's quality safety officer; Developed and maintain MLearning radiation safety refresher modules with radiation safety and deliver hands-on HDR emergency training; Maintain and update departmental radiation materials license and registration; and Complete and submit NRC-313A(AMP) and NRC-313A(AUS) documentation for residents and staff.

Clinical Track Scholarly Contribution

Clinician-Educator

As a clinical faculty member on the clinician-educator track, my clinical and scholarly contributions have focused on brachytherapy, radiation safety, and education. As the director of brachytherapy physics, I am responsible for the oversight and maintenance of the Department of Radiation Oncology's high dose rate (HDR) and intravascular brachytherapy programs. Related to education, I served as the director of the Radiation Oncology Medical Physics residency program from 2009 – 2017, and associate program director from 2006 - 2008, and July 2017 - July 2019. I teach classes in brachytherapy and safety to graduate and post graduate students in an accredited medical physics certificate program. Additionally, I supervise medical physics residents during their brachytherapy, shielding, and imaging rotations. On a national level, I chair the American Association of Physicists in Medicine (AAPM) Education Council, serve on the AAPM Board of Directors, and I am an active member of a number of other AAPM educational and professional subcommittees and task groups. I am also a member of the Society of Directors of Academic Medical Physics Programs (SDAMPP). I have been involved in the development of national recommendations and guidelines for Radiation Oncology physician and medical physics residency curricula.

Grants

Past Grants

Fostering Innovations Grant. Title: Fetal Shield for Radiotherapy (This grant funded the design and build of a new fetal lead shield that would be used when treating pregnant patients in the department of Radiation Oncology. As the principal investigator, my role was to work directly with engineers and machinists to design the shield, then to commission the shield for clinical use.)

University of Michigan

PI: JI Prisciandaro

10/2010-09/2011. \$30,000

Evaluation Agreement - Bravos (The goal of this joint project is the non-clinical evaluation of a newly developed high dose rate (HDR) remote afterloader, resulting in a publication covering the process of commissioning the unit for clinical use.)

PI: JI Prisciandaro

Varian Medical Systems, Inc.

01/2019 - 01/2021. \$35,150

A road map for streamlining and standardizing the treatment of cervical cancer (This grant funds a project to: 1) assess and schematize current clinical protocols and practice patterns in cervical cancer HDR across the University of Michigan enterprise; 2) create a best practice guideline that can be tailored to available resources across multiple sites; 3) sustain and support standardized practices with recurring multidisciplinary brachytherapy rounds; and 4) investigate the application of deformable image registration (DIR) contour propagation to CT-based brachytherapy treatment planning. As the physics primary investigator, my role is to coordinate and assist in developing the workflow maps across three sites, and to lead the investigation into DIR through a retrospective treatment planning study.)

Co-PI: JI Prisciandaro, D Owen

University of Michigan, Dept of Radiation Oncology Seed Grant

07/2018-07/2019. \$25,000

Mentorship and Work-Life Integration of Members of the American Association of Physicists in Medicine: A Mixed Methods Study to Promote Gender Equity in Medical Physics Careers (The intent of this project is to: 1) explore the varied perceptions and experiences of medical physicists with regard to mentorship needs and opportunities as well as strategies for work-life integration; 2) develop an enhanced understanding of the challenges experienced in these areas, grounded in the rich, lived experiences of men and women at varying levels in the field; 3) identify potential biases and stereotypes existing in the medical physics community; and 4) catalyze future multi-institutional collaborations and research studies. As a co-investigator in this study, my role is to assist in the development of a survey tool to assist with the third objective of the study, as well as providing support to develop educational tools for our faculty and staff regarding this bias and discuss strategies to improve work-life integration.)

University of Michigan, Dept of Radiation Oncology Seed Grant
Co-I: JI Prisciandaro (PI: KC Younge)
07/2018-07/2019. \$25,000

Universal cylinder and ring applicator solid model evaluation: (This grant funded the non-clinical evaluation of new commercial brachytherapy applicators and digital models available in software to expedite applicator reconstruction. As the principal investigator, my role was to commission the digital applicator models for clinical use, and to write a white paper summarizing the commissioning process.)

PI: JI Prisciandaro
Varian Medical Systems, Inc.
03/2017 - 12/2017. \$23,220

A Phase III Clinical Trial Evaluating TheraSphere® in Patients with Metastatic Colorectal Carcinoma of the Liver who have Failed First Line Chemotherapy (This grant was intended to fund the evaluation of patient outcomes when TheraSpheres are added to the second line standard-of-care chemotherapy. As a co-investigator, my role was to supervise patient dosimetry and safety during TheraSphere administration.)

BTG International, LTD through a consortium with Chiltern International, Inc- 15-PAF04365
Co-I: JI Prisciandaro (PI: K Cuneo)
BTG International, LTD sourced funding through Chiltern International, Inc
07/2015 - 06/2018. \$1,214,365

Radiation Oncology Physics Residency Training Grant (This grant funded the initial accreditation application for the Radiation Oncology Medical Physics residency program. As the principal investigator, my role was to prepare the application, and coordinate with the review team to address questions leading to, during, and after their site visit.)

PI: JI Prisciandaro
ASTRO/AAPM – 08-0316
09/2007 - 08/2008. \$12,000

Honors and Awards

National

1992 The Columbia Association of the Board of Education Scholarship
2014 Fellow of the American Association of Physicists in Medicine

Regional

1992 - 1996 Governor's Committee on Scholastic Achievement
Scholarship
1998 Herbert T. Graham Scholarship, Michigan State University

Institutional

2013 The League of Educational Excellence
2015 Department of Radiation Oncology Physics Teacher of the Year Award
2023 Department of Radiation Oncology Physics Teacher of the Year Award

Editorial Positions, Boards, and Peer-Review Service

Editorial Boards

2010-2012 Brachytherapy Section Editor, Journal of Applied Clinical Medical Physics
2018-2019 Guest Editor Brachytherapy Issue, Seminars in Radiation Oncology

Journal Reviewer

2003-present	Medical Physics Journal Reviewer (Ad Hoc)
2006-2011	Medical Dosimetry Journal Reviewer (Ad Hoc)
2006	Radiotherapy and Oncology Journal Reviewer (Ad Hoc)
2007-present	International Journal of Radiation Oncology, Biology, Physics Journal Reviewer (Ad Hoc)
2010-present	Journal of Applied Clinical Medical Physics (Ad Hoc)
2012-present	Practical Radiation Oncology (Ad Hoc)

Teaching

Resident

01/2006-06/2007	Natan Shtraus, B.Sc., University of Michigan
06/2006-06/2007	Christina Christou, Ph.D., University of Michigan
08/2006-08/2008	Chadd Smith, Ph. D., University of Michigan
01/2007-01/2009	Anant Gopal, Ph. D., University of Michigan
05/2007-05/2009	Yimei Huang, Ph. D., University of Michigan
07/2007-06/2010	Peng Wang, Ph. D., University of Michigan
08/2007-01/2009	Nir Honig, B. Sc., University of Michigan
05/2008-05/2011	Joel Wilkie, Ph. D., University of Michigan
09/2008-08/2011	Hanan Amro, Ph. D., University of Michigan
02/2009-02/2011	Ahmad Alkhatib, Ph. D., University of Michigan
02/2009-02/2011	Orit El Dan, M. Sc., University of Michigan
07/2009-02/2012	Colleen Fox, Ph. D., University of Michigan
07/2010-02/2013	Kelly Younge, Ph. D., University of Michigan
10/2010-06/2013	Ke Huang, Ph. D., University of Michigan
01/2011-09/2013	Bingqi Guo, Ph. D., University of Michigan
05/2011-12/2013	Shu-Hui Hsu, Ph. D., University of Michigan
07/2012-07/2014	Zacariah Labby, Ph. D., University of Michigan
03/2013-08/2015	Mohammad-Amir Owrangi, Ph.D., University of Michigan
07/2013-12/2015	Tong Zhu, Ph.D., University of Michigan
01/2014-06/2016	Elizabeth Covington, Ph.D., University of Michigan
07/2014-12/2016	Jeremy Bredfeldt, Ph.D., University of Michigan
07/2015-06/2017	Benjamin Rosen, Ph.D., University of Michigan
01/2016-06/2017	Justin Mikell, Ph.D., University of Michigan
07/2016-02/2017	Derek White, Ph.D., University of Michigan
03/2017-08/2018	Samantha Simiele, Ph.D., University of Michigan
08/2017-01/2020	Jaewook Joo, Ph.D., University Michigan
01/2018-06/2020	Alex Moncion, Ph.D., University of Michigan
07/2018-12/2020	Lianli Liu, Ph.D., University of Michigan
07/2019-12/2021	Charles Matrosic, Ph.D., University of Michigan
07/2020-12/2022	Lise Wei, Ph.D., University of Michigan

07/2020-12/2022 Siamak Nejad-Davarani, Ph.D., University of Michigan
 07/2021-present Shiqin Su, Ph.D., University of Michigan
 01/2022-present Maryam Shirmohammad, Ph.D., University of Michigan
 07/2022-present Sean Devan, Ph.D., University of Michigan

Teaching Activity

National

01/2007-01/2013 American College of Radiology, examination author and physics section chair for the annual radiation oncology resident's in-service registry examination
 05/2008 Professional Symposium on MOC Update, 25th Annual ACMP Meeting, Seattle, WA, Symposium organizer and moderator
 07/2008 Practical medical physics symposium on Introducing Brachytherapy into the clinic, 50th Annual AAPM Meeting, Houston, TX, Symposium organizer and moderator
 05/2009 Professional Symposium on Starting a New Residency Program, 26th Annual ACMP Meeting, Virginia Beach, VA, Symposium organizer
 04/2011-05/2011 27th Annual ACMP Meeting, San Antonio, TX, Physics Therapy Chair for meeting
 03/2012 1st Annual Spring Clinical AAPM Meeting, Dallas, TX, Physics Therapy Co-organizer for meeting
 08/2012 Medical Physics Ethics in Action Symposium, 55th Annual AAPM Meeting, Charlotte, NC, Symposium organizer and moderator
 03/2013 2nd Annual Spring Clinical AAPM Meeting, Phoenix, AZ, Physics Therapy Co-organizer for the meeting
 06/2013 The Osler Institute Board Review Course, Radiation Oncology Physics instructor
 09/2015-10/2015 AAPM Hub and Spoke Webinar Series, Co-organizer and moderator
 12/2015 American Board of Radiology Updates for Medical Physicists, Co-organizer and co-moderator
 03/2016 MyVarian Webinar: Imaging for Gynecologic Brachytherapy – The MR Evolution
 06/2016 Invited faculty for the 2016 AAPM Summer School - Medical Physics Leadership Academy. Focused on sessions on team effectiveness and financial accounting
 08/2016 Prostate HDR Treatment Planning - Considering Different Imaging Modalities, Therapy Educational Course, 58th Annual AAPM Meeting, Washington DC, Course organizer and moderator

Regional

03/2006 Instructor, Michigan Radiation Therapy Registry, Jackson, MI. Topics: Radiation Physics and Biology Review, and Radiation Protection Review
 03/2007 Instructor, 2nd Annual Michigan Radiation Therapy Registry Review, Flint, MI. Topic: Radiation Physics Review
 11/2007 GLC-AAPM Imaging Dosimetry in Diagnostic and IGRT Symposium, Novi, MI, Symposium co-organizer
 03/2008 Instructor, 3rd Annual Michigan Radiation Therapy Registry Review, Flint, MI Topic: Radiation Physics Review
 11/2008 GLC-AAPM Licensure and Young Investigator's Symposium, Brighton, MI, Symposium co-organizer

Institutional

08/1997-05/1998 Teaching Assistant, Physical Chemistry, Michigan State University, East Lansing, MI
 06/1999-08/1999 Laboratory Instructor, Nuclear & Radiochemistry, Brookhaven National Laboratory,

Upton, NY

09/2003-04/2004 Teaching Assistant, Radiation Therapy Physics for Radiation Oncology Residents, Mayo Clinic College of Medicine, Rochester, MN

04/2005 Total Body Irradiation, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

05/2005-04/2015 Instructor, Radiation Therapy Physics Course for Radiation Oncology Residents, University of Michigan Medical School, Ann Arbor, MI

09/2005-04/2017 Instructor, RTT 431 and 432, Radiation Physics I & II, University of Michigan Medical School (offered through University of Michigan Flint), Ann Arbor, MI

11/2005 Sublobar resection for high risk T1N0 non-small cell lung cancer and new ACOSOG Z4032 protocol, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

06/2006-06/2013 Director of the Radiotherapy Physics, Course for Radiation Oncology Residents University of Michigan, Ann Arbor, MI

02/2007 Instructor, NERS 582 (BiomedE 582) Medical Radiological Health Engineering. Topic: Radiation Safety Concerns for High Dose Rate Brachytherapy, University of Michigan, Ann Arbor, MI

06/2008 Radiation therapy for choroidal melanomas, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

08/2008 TheraSpheres, Microspheres Radiotherapy for Hepatic Malignancies, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

08/2008 Oral Cavity Brachytherapy, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

03/2010 Instructor, NERS 582 (BiomedE 582) Medical Radiological Health Engineering. Topics: Introduction to Radiation Oncology, Brachytherapy and Radiation Safety, University of Michigan, Ann Arbor, MI

05/2010 Prostate HDR, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

08/2010 Maintenance of Certification, Physics Seminar, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

11/2010 High Dose Rate Prostate Brachytherapy, Grand Rounds, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

12/2010 MR-Guided HDR Prostate Brachytherapy, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

09/2011 MRI Series: Volume-based brachytherapy planning for cervical cancer, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

11/2012 Gyn Program Update/Consensus Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

12/2012 Handling NRC Reportable Events: A Case Study with Theraspheres, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

03/2013 Radiation Oncology annual retreat on education, Ann Arbor, Michigan, meeting organizer and moderator, Ann Arbor, MI

03/2013 Maintenance of Certification – A Physics Perspective, Radiation Oncology Annual Retreat, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

02/2014 Managing radiotherapy patients with cardiac implantable electronic devices, Grand Rounds, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

11/2014 Palliative Care Radiotherapy, Professional Seminar Series, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI

01/2016-05/2018	Instructor, NERS 581 - Radiation Therapy Physics, University of Michigan, Ann Arbor, MI
03/2016	Maintenance of Certification - 2016 Updates, Physics Seminar, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
03/2016	MR Image Guided Brachytherapy (MR IGBT) for gynecologic cancer, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
07/2017	The Key to Successful Poster Presentations, Professional Seminar Series, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
01/2018-04/2018	Lead instructor and organizer - NERS 590 (Independent study of Radiation Protection and Safety), University of Michigan, Ann Arbor, MI
08/2018	Managing the care of patients with cardiac implantable electronic devices receiving radiotherapy, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
10/2018	A Roadmap for Streamlining and Standardizing the Treatment of Cervical Cancer, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
07/2020	Re-envisioning the future making it a reality, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
09/2020	Re-emergence and Applications of Intravascular Brachytherapy, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
10/2020	Review and Management of Patient's with Cardiac Implantable Electronic Devices (CIEDs), Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
11/2020	High Dose Rate GYN brachytherapy program update, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
04/2021	High Dose Rate GYN Brachytherapy Program, Friday Resident Seminar, Ann Arbor, MI
11/2021	APEX Accreditation, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
05/2022	Introduction to the New On-call 2D kV Sim and Treat Workflow, Treatment Planning Conference, Department of Radiation Oncology, University of Michigan, Ann Arbor, MI
02/2023	Biocorrected dose and SMPs, Division of Radiation Physics Retreat, University of Michigan, Ann Arbor, MI
02/2023	Clinical Program 2–3-year Roadmap, Division of Radiation Physics Retreat, University of Michigan, Ann Arbor, MI

Memberships in Professional Societies

1996 - 2002	American Chemical Society (ACS) Division of Nuclear Chemistry and Technology
1997 - 1999	American Association for the Advancement of Science (AAAS)
1997 - 2002	American Physics Society Division of Nuclear Physics (APS)
2002 - Present	American Association of Physicists in Medicine (AAPM)
2004 - Present	Great Lakes Chapter of the American Association of Physicists in Medicine (GLC-AAPM)
2007 - 2011	American College of Medical Physics (ACMP)
2009 - Present	American Brachytherapy Society (ABS)

2009 - 2020 American Society for Radiation Oncology (ASTRO)

Committee/Service

International

2015 - 2018 Education and Training Committee, International Organization for Medical Physics (IOMP), Member

National

2006 - 2008 Medical Physics Committee, RTOG, Committee Member

2006 - 2011 A Phase II Trial of Samarium 153 Followed by Salvage Prostatic Fossa 3DCT or IMRT Irradiation in High-Risk, Clinically Non-Metastatic Prostate Cancer After Radical Prostatectomy, RTOG, Medical Physics Study Chair for RTOG 0622

2006 - 2011 Work Group on Coordination of Medical Physics Residency Programs, AAPM, Member

2007 - 2009 Trainee and Provisional Member Committee, ACMP, Member

2007 - 2010 Task Group #127, Maintenance of Certification, AAPM, Member

2008 - 2012 Ethics Committee, AAPM, Member

2008 - 2012 Subcommittee on Practice Guidelines, AAPM, Vice Chair

2008 - 2013 Clinical Practice Committee, AAPM, Member

2008 - 2014 Subcommittee on Physics Curriculum for Residents, ASTRO, Member

2009 - 2014 Subcommittee on Medical Physicists as Educators, AAPM, Member

2010 - 2011 Women's Professional Subcommittee, AAPM, Member

2010 - 2012 Education and Training of Medical Physics Committee, AAPM, Member

2010 - 2016 Maintenance of Certification Subcommittee, AAPM, Member

2010 - 2016 Working Group on Periodic Review of Medical Physics Residency Training, AAPM, Chair

2010 - 2019 Task Group #203, Management of radiotherapy patients with implanted cardiac pacemakers and defibrillators, AAPM, Member

2011 Radiation Dosimetry and Treatment Planning Subcommittee, AAPM, Member

2011 - 2012 Spring Clinical Meeting Subcommittee, AAPM, Other, Therapy Physics Co-Organizer

2011 - 2013 Radiation Oncology Medical Physics Education Subcommittee, AAPM, Member

2012 - 2013 Subcommittee on Practice Guidelines, AAPM, Chair

2012 - 2013 Task Group #231, Cognitive science and education resources, AAPM,

2013 - present The Society of Directors of Academics Medical Physics Programs (SDAMPP), Member

2013 Nominating Committee, AAPM, Member

2013 - 2014 Education and Training of Medical Physics Committee, AAPM, Vice-Chair

2013 - 2015 Ad Hoc Committee on Meetings Strategy, AAPM, Member

2013 - 2015 Spring Clinical Meeting Subcommittee, AAPM, Member

2013 - 2018 Commission on Accreditation of Medical Physics Educational Programs (CAMPEP) Board of Directors, Member

2014 Subcommittee on Practice Guidelines, AAPM, Consultant

2014 Nominating Committee, SDAMPP, Member

2014 - 2015 ACR/AAPM Technical Standard for the Performance of High Dose Rate Brachytherapy Physics, Member

2014 - 2016 Commission on Accreditation of Medical Physics Educational Programs (CAMPEP), Treasurer/Secretary

2014 - 2017 Radiation Oncology Medical Physics Education Subcommittee, AAPM, Consultant

2014 - 2019 Task Group No. 259 - MPPG #7 Medical Physics Extenders, AAPM, Member

2014 - 2019 Education and Training of Medical Physics Committee, AAPM, Chair

2015 - present Work Group on Future Research and Academic Medical Physics, AAPM, Member

2015 - 2019 Education Council, AAPM, Member

2015 - 2020 Task Group No. 278 - Task Group on Combined Residency and Research Training in Medical Physics (TG-Hybrid Training), AAPM, Member

2016 - 2022 Task Group 298, Task Group on Alternative Pathway Candidate Education and Training, AAPM, Member

2016 - 2018 Working Group on MCC (Meeting Coordination Committee) Purpose, Organization and Rules, AAPM, Member

2017 - 2022 Task Group 303 - MRI Guidance in HDR Brachytherapy - Considerations from Simulation to Treatment, AAPM, Vice Chair

2017 Working Group on Periodic Review of Medical Physics Residency Training, AAPM, Consultant

2017 - 2019 Finance Committee, AAPM, Member

2018 - 2019 Commission on Accreditation of Medical Physics Educational Programs (CAMPEP) Residency Education Program Review Committee, Member

2019 - 2020 Education and Training of Medical Physics Committee, AAPM, Consultant

2019 - present Education Council, AAPM, Chair

2019 - present Administrative Council, AAPM, Ex Officio Member

2019 - present Board of Directors, AAPM, Ex Officio Member

2019 - present Electronic Media Coordinating, AAPM, Ex Officio Member

2019 - present Finance Committee, AAPM, Ex Officio Member

2019 - present Professional Council, AAPM, Ex Officio Member

2019 - present Science Council, AAPM, Ex Officio Member

2019 - present Strategic Planning Committee of the Board, AAPM, Ex Officio Member

2019 Development Committee, AAPM, Member

2019 Workforce Assessment Committee, AAPM, Member

2019 - 2020 Ad hoc committee on the demand for and supply of imaging medical physicists: Building advocacy and a sustainable future, AAPM, Therapy Vice Chair

2019 - 2021 Ad Hoc Committee to Increase the Participation of Medical Physicists Assistants (MPAs) in the AAPM, Member

2020 - present Government and Regulatory Affairs, AAPM, Member

2020 - present Government and Regulatory Affairs Policy Sub-Committee, AAPM, Member

2020 - present American Board of Radiology Medical Physics Initial Certification Advisory Committee, Member

2020 Education Council, Radiological Society of North America, Member

2021 - present Phase II/III study of carboplatin/paclitaxel alone or combined with either trastuzumab or trastuzumab/pertuzumab in HER2 positive, stage I-IV uterine serous carcinoma and carcinosarcoma, NRG Oncology, Physics Co-PI

2021 - present Liaison Committee on Education, American Institute of Physics, Member
 2021 - present Global Liaisons Committee, AAPM, Ex Officio Member
 2021 - present Ad hoc Committee to Explore Future Directions in the Science of Physics in Medicine, AAPM, Member
 2021 - present Ethics Coursework Resources Working Group, AAPM, Vice Chair
 2022 - present Awards and Honors, AAPM, Member
 2022 - present Newsletter Editorial Board, AAPM, Member
 2022 - present Working Group on Management of Inappropriate Content, AAPM, Member
 2022 - present Working Group on Pathways to Leadership Cohort Pilot, AAPM, Member
 2022 - present Task Group No. 388 - Meeting Presentations Uploaded to the Virtual Library, AAPM, Member

Regional

2007 - 2009 Great Lakes Chapter of the AAPM, Other, Secretary
 2009 - 2011 Medical Physics Licensure State Committee, Other, Committee Member
 2012 - 2014 Board Representative of the AAPM, Other, Great Lake Chapter Representative

Institutional

2003 - 2004 Brachytherapy working group, Department of Radiation Oncology, Mayo Clinic, Brachytherapy working group
 2004 Education Committee, Department of Radiation Oncology, Mayo Clinic, Education Board
 2004 - 2007 Education Committee, Medical Physics Residents, University of Michigan, Education Committee
 2006 - 2008 Lean Thinking - 3D conformal treatment process, University of Michigan, Member
 2006 - 2013 Graduate Medical Education Committee, Department of Radiation Oncology, University of Michigan, Graduate Student Education Committee
 2007 - 2017 Medical Physics Residency Committee, Chair
 2008 - present Radiation Policy Committee, University of Michigan, Radiation Policy Committee
 2010 - present Variance Committee, Department of Radiation Oncology, Member
 2012 - 2013 Radiation Oncology Annual Retreat on Education, Organized and moderated
 2012 - 2014 Education Leadership Council, Member
 2013 - present Clinical Radiation Safety Committee, Member
 2013 - 2014 Academy of Medical Educators, Member
 2013 - 2014 Faculty Development and Monthly Conferences Workgroup, Member
 2015 - present Medical Physics Certificate Committee, Member
 2016 - present Clinical Competency Committee, Department of Radiation Oncology, Member
 2017 - present Medical Physics Residency Committee, Member
 2017 - 2020 Radiation Oncology Winter Retreat, Organized and moderated
 2019 - present Faculty Development, Michigan Medicine, Liaison
 2019 - 2022 Advisory Committee on Clinical Track Appointments and Promotions (CLINACAP), Member
 2020 - present Clinical Operations Committee, Department of Radiation Oncology, Member
 2021 - present Equity and Wellness Committee, Department of Radiation Oncology, Member

2021 – present	Operations Committee, Department of Radiation Oncology, Member
2021 – present	Cancer Center Leadership Committee, Michigan Medicine, Member
2021 – present	Radiation Oncology ACU Triad/Cancer Services Triad, Michigan Medicine, Member

Volunteer Service

Volunteer

2010 - 2019	Residency Program Site Reviewer, College Park, MD, Review medical physics residency accreditation applications and perform site reviews on behalf CAMPEP
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Scholarly Activities

Presentations

Visiting Professorships

09/2012	Evolution of Prostate Brachytherapy, University of Pennsylvania, Department of Radiation Oncology, Philadelphia, PA
05/2020	Medical Physics Clinical Development and Research Advancements at the University of Michigan, University Medical Center Groningen, Groningen, Netherlands (Canceled due to COVID-19)
03/2023	MRI Implementation in HDR Brachytherapy University of Pennsylvania, Department of Radiation Oncology, Philadelphia, PA

Extramural Invited Presentations

1. EPID-based Methodology to Evaluate CTV-to-PTV Margins, American Association of Medical Dosimetrists Region II Meeting, May 2004, Rochester, MN
2. Introduction to Radiation Therapy and the Role of Medical Physicists, American Chemical Society National Meeting, June 2006, Atlanta, GA
3. Complex RT Cases, Michigan Society of Radiologic Technologists Annual Meeting, September 2006, Midland, MI
4. Parts 2 and 3 of the Radiation Oncology ABR Physics Exam, Professional Symposium, ACMP Annual Meeting, June 2007, Baltimore, MD
5. From licensing to QA, how to implement HDR brachytherapy into your clinic, AAPM Annual Meeting, July 2008, Houston, TX
6. Introduction to radiation oncology physics, American Chemical Society National Meeting, August 2008, Philadelphia, PA
7. Developing and Maintaining a Safe HDR Brachytherapy Practice, Annual ACMP Meeting, May 2010, San Antonio, TX
8. Quality Assurance Challenges, SEAAPM Symposium, April 2011, Myrtle Beach, SC
9. Initiative for Medical Physics Practice Guidelines, Great Lakes Chapter AAPM, Fall Scientific Meeting, November 2011, Novi, MI
10. A Review of the Maintenance of Certification (MOC) Process, Great Lakes Chapter-AAPM, May 2012, Troy, MI
11. An Institutional Experience Managing the Care of Patients with CIEDs, Spring Clinical AAPM Meeting, March 2014, Denver, CO
12. The Use of Checklists and Audit Tools for Safety and QA, AAPM Annual Meeting, July 2015, Anaheim, CA
13. MR-Guided Brachytherapy, Penn-Ohio Chapter of the AAPM, September 2015, Cleveland, OH
14. Evolution and current status of medical physics residency training, Penn-Ohio chapter of the AAPM, September 2015, Cleveland, OH
15. Prostate HDR Treatment Brachytherapy Planning - Considering Different Imaging Modalities, AAPM Annual Meeting, July 2016, Washington, DC
16. Challenges of implementing new technology and the value of standard practice, ASTRO Annual Meeting, September 2016, Boston, MA
17. Future trends in residency training, AAPM Annual Meeting, July 2017, Denver, CO
18. HDR Brachytherapy: Interstitial Treatments for GYN Panel Discussion, AAPM Annual Meeting, July

2017, Denver, CO

19. Overview of MRI for HDR Brachytherapy in the treatment of gynecologic and prostate cancer, Spring Clinical AAPM Meeting, April 2018, Las Vegas, NV
20. Panel Discussion: Issues and Obstacles in Implementing Reform, AAPM Workshop on Improving the Teaching and Mentoring of Medical Physics, July 2018, Nashville, TN
21. Provocative questions in medical physics, AAPM Annual Meeting, July 2018, Nashville, TN
22. Overview of MRI for HDR Brachytherapy in the treatment of gynecologic and prostate cancer, Great Lakes Chapter of the AAPM, November 2018, Ann Arbor, MI
23. Optimizing the MRI workflow in your clinic, American Brachytherapy Society Annual Meeting, June 2019, Miami, FL
24. Review of Cardiac Implantable Electronic Devices (CIEDs) and Potential Device Malfunctions due to Radiotherapy, AAPM Annual Meeting, July 2020, Virtual
25. Re-emergence and Applications of Intravascular Brachytherapy, ASTRO Annual Meeting, October 2020, Virtual
26. New Members Symposium: Education Council, AAPM Annual Meeting, July 2021, Virtual
27. Innovations in Medical Physics Education, Session in Memory of Edward "Ed" F. Jackson, AAPM Annual Meeting, July 2021, Virtual
28. Clinical Implementation of MRI for Gynecologic HDR Brachytherapy, AAPM Spring Clinical Meeting, March 2022, New Orleans, LA
29. Intravascular Brachytherapy (IVBT) 101: Commissioning and QA, AAPM Annual Meeting, July 2022, Washington DC
30. TG-303 – MRI Implementation in HDR Brachytherapy, FLAAPM Annual Meeting, September 2022, Virtual
31. Summary of AAPM Task Group 298 – Recommendations on Certificate Program/Alternative Pathway Candidate Education and Training, AAPM Annual Meeting, July 2023, Houston, TX

Other

1. Using PortalVision for Organ/Target Displacement Management and EPID-based QA, Varian Medical System's IMRT, RPM-Gating and Quality Assurance Users' Meeting, August 2003, San Diego, CA
2. Introduction to Radiation Oncology Physics and Modern Treatment Techniques, Benedictine College, February 2004, Atchison, KS
3. Radiation Therapy and the Role of Medical Physicist, Saline District Library, March 2010, Saline, MI
4. The Evolution of HDR Prostate Brachytherapy Planning, Varian Medical Systems, October 2012, Palo Alto, CA
5. The Evolution Toward Real-Time HDR Prostate Planning, Webinar, Varian Medical Systems, April 2013, Palo Alto, CA
6. National Crisis: Where are the Radiation Professionals?
Accrediting Organization: Commission on Accreditation of Medical Physics Educational Programs, Inc., National Council on Radiation Protection & Measurements, July 2013, Washington, DC
7. Panel Member (1 of 3), Elekta's Women's Initiative Panel and Reception: Women in Leadership, July 2022, Washington DC

Seminars

1. Stereotactic Radiosurgery: Gamma Knife vs. Linacs, Medical & Radiological Physics Seminar Series, Wayne State University, November 2007, Detroit, MI
2. Introduction to Radiation Oncology Physics, Nuclear Science Seminar, National Superconducting Cyclotron Laboratory, Michigan State University, February 2009, East Lansing, MI
3. Radiation therapy and MRI-guided brachytherapy, Nuclear Science Seminar, National Superconducting Cyclotron Laboratory, Michigan State University, March 2016, East Lansing, MI
4. Brief overview of AAPM and Education council, Meet the Professor, University of Pennsylvania, April 2022, Virtual

Peer-Reviewed Journals and Publications

1. M. Huhta, P.F. Mantica, D.W. Anthony, P.A. Lofy, **J.I. Prisciandaro**, R.M. Ronningen, M. Steiner, and W. B. Walters: New evidence for deformation in ^{73}Zn PRC 58(6): 3187-3194, 1998.
2. P.F. Mantica, D.W. Anthony, M. Huhta, **J.I. Prisciandaro**, and M.A. Vance: Recent developments in the measurement of spin-polarized fragments using β -NMR at the NSCL Nucl Instr and Meth in Phys

Res. A 422: 498 - 501, 1999.

3. **J.I. Prisciandaro**, P.F. Mantica, A.M. Oros-Peusquens, D.W. Anthony, M. Huhta, P.A. Lofy, and R.M. Ronningen: Beta decaying T1/2 = 3.4 s isomer in ^{69}Ni PRC 60: 054307-1 - 7, 1999.
4. M.J. Chromik, P.G. Thirolf, M. Thoennessen, T. Davinson, D. Gassmann, P. Heckman, P. Reiter, **J.I. Prisciandaro**, E. Tryggestad, and P.J. Wood: Investigation of double proton decay of ^{17}Ne Beschleunigerlaboratorium Muenchen, Jahresbericht 1999, 4, 2000: 155-200, 2000.
5. J. Rikovska, T. Giles, N.J. Stone, K. van Esbroeck, G. White, A. Wöhr, M. Veskovíc, I.S. Towner, P.F. Mantica, **J.I. Prisciandaro**, D.J. Morrissey, V.N. Fedoseyev, V.I. Mishin, U. Koster, and W.B. Walters: First On-line beta-NMR on oriented nuclei: magnetic dipole moments of the $(\nu p_{1/2})^{-1} 1/2^{-}$ ground state in ^{67}Ni and $(\pi p_{3/2})+1 3/2^{-}$ ground state in ^{69}Cu Phys Rev Lett 85(7): 1392-5, 2000. PM10970512
6. P.F. Mantica, A.E. Stuchbery, D.E. Groh, **J.I. Prisciandaro**, and M.P. Robinson: g Factors of the first 2+ states in the transitional $^{92,94,96,98,100}\text{Mo}$ isotopes and the onset of collectivity PRC 63: 034312-1-13, 2001.
7. **J.I. Prisciandaro**, P.F. Mantica, B.A. Brown, D.W. Anthony, M.W. Cooper, A. Garcia, D.E. Groh, A. Komives, W. Kumarasiri, P.A. Lofy, A.M. Oros-Peusquens, S.L. Tabor, and M. Wiedeking: New evidence for a subshell gap at N = 32 Phys Lett B 510: 17 - 23, 2001.
8. M.J. Chromik, P.G. Thirolf, M. Thoennessen, B.A. Brown, T. Davinson, D. Gassmann, P. Heckman, **J.I. Prisciandaro**, P. Reiter, E. Tryggestad and P.J. Woods: Two-proton spectroscopy of low-lying states in ^{17}Ne Phys Rev C 66: 024313-1-12, 2002.
9. A.C. Morton, P.F. Mantica, B.A. Brown, A.D. Davies, D.E. Groh, P.T. Hosmer, S.N. Liddick, **J.I. Prisciandaro**, H. Schatz, M. Steiner, and A. Stolz: Beta decay studies of nuclei near ^{32}Mg : Investigating the $\nu(f_{7/2})-(d_{3/2})$ inversion at the N = 20 shell closure Phys Lett B 544: 274 - 279, 2002.
10. **J.I. Prisciandaro**, M.G. Herman, and J.J. Kruse: Utilizing an electronic portal imaging device to monitor light and radiation field congruence. J Appl Clin Med Phys 4(4): 315-20, 2003. PM14604421
11. **J.I. Prisciandaro**, A.C. Morton, and P.F. Mantica: Beta counting system for fast fragmentation beams Nucl Instr and Meth in Phys Res A 505: 140-143, 2003.
12. M.G. Herman, T.M. Pisansky, J.J. Kruse, **J.I. Prisciandaro**, B.J. Davis, and B.F. King: Technical aspects of daily online positioning of the prostate for three-dimensional conformal radiotherapy using an electronic portal imaging device Int J Radiat Oncol Biol Phys 57(4): 1131-1140, 2003. PM14575846
13. **J.I. Prisciandaro**, C.M. Frechette, M.G. Herman, P.D. Brown, Y.I. Garces, and R.L. Foote: A methodology to determine margins by EPID measurements of patient setup variation and motion as applied to immobilization devices. Med Phys 31(11): 2978-2988, 2004. PM15587650
14. **J.I. Prisciandaro**, R.L. Foote, M.G. Herman, S.J. Lee, W.N. LaJoie, A.B. Van Blarcom, and P.D. Yeakel: Technical Note: A buccal mucosa carcinoma treated with high dose rate brachytherapy J Appl Clin Med Phys 6(1): 8-12, 2005. PM15770193
15. Y. Xiao, K. De Amorim Bernstein, I.J. Chetty, P. Eifel, L. Hughes, E.E. Klein, P. McDermott, **J.I. Prisciandaro**, B. Paliwal, R.A. Price, M. Werner-Wasik, and J.R. Palta, of the Ad Hoc Committee on Teaching Physics to Residents and Invitees: The American Society for Radiation Oncology's 2010 core physics curriculum for radiation oncology residents. Int J Radiat Oncol Biol Phys 81(4): 1190-1192, 2011. PM21035958
16. Litzenberg DW, Amro H, **Prisciandaro J.I.**, Acosta E, Gallagher I, Roberts DA: Dosimetric impact of density variations in Solid Water 457 water-equivalent slabs. J Appl Clin Med Phys 12(3): 3398, 2011. PM21844848
17. A. Makkar, **J.I. Prisciandaro**, S. Agarwal, M. Lusk, L. Horwood, J. Moran, C. Fox, J.A. Hayman, H. Ghanbari, B. Roberts, D. Belardi, R. Latchamsetty, T. Crawford, E. Good, K. Jongnarangsin, F. Bogun, A. Chugh, H. Oral, F. Morady, and F. Pelosi: Effect of radiation therapy on permanent pacemaker and implantable cardioverter-defibrillator function Heart Rhythm 9(12): 1964-8, 2012. PM23102626
18. **J.I. Prisciandaro**, C.E. Willis, J.W. Burmeister *et al.*: Essentials and guidelines for clinical medical physics residency training programs: Report from the work group on periodic review of medical physics residency training AAPM website Approved by AAPM Ed Council: http://www.aapm.org/pubs/reports/RPT_249.pdf, 2013.
19. Litzenberg DW, Gallagher I, Masi KJ, Lee C, **Prisciandaro JI**, Hamstra DA, Ritter T, Lam KL: A measurement technique to determine the calibration accuracy of an electromagnetic tracking system to radiation isocenter Med Phys 40(8): 1-8, 2013. PM23927308
20. **Prisciandaro JI**: Review of online educational resources for medical physicists. J Appl Clin Med Phys 14(6): 4476, 2013. PM24257289
21. Johnson SB, **Prisciandaro JI**, Zhou J, Hadley SW, Reynolds RK, Jolly S: Primary peritoneal clear cell

- carcinoma treated with IMRT and interstitial HDR brachytherapy: a case report. *J Appl Clin Med Phys* 15(1): 4520, 2014. PM24423851
22. Johnson SB, Zhou J, Jolly S, Guo B, Young L, **Prisciandaro JI**: The dosimetric impact of single, dual, and triple tandem applicators in the treatment of intact uterine cancer *Brachytherapy* 13(3): 268-274, 2014. PM24269144
 23. Zhou J, **Prisciandaro J**, Lee C, Schipper M, Eisbruch A, Jolly S: Single or multi-channel vaginal cuff high dose-rate brachytherapy: Is replanning necessary prior to each fraction? *Pract Radiat Oncol* 4(1): 20-26, 2014. PM24621419
 24. **Prisciandaro JI**, Willis CE, Burmeister JW, Clarke GD, Das RK, Esthappan J, Gerbi BJ, Harkness BA, Patton JA, Peck DJ, Pizzutiello Jr RJ, Sandison GA, White SL, Wichman BD, Ibbott GS, Both S: Essentials and guidelines for clinical medical physics residency training programs: executive summary of AAPM Report Number 249 *J Appl Clin Med Phys* 15(3): 4-13, 2014. PM24892354
 25. A.M. Owrangi, **J.I. Prisciandaro**, A. Soliman, A. Ravi, W.Y. Song: Magnetic resonance imaging-guided brachytherapy for cervical cancer: initiating a program *Journal of Contemporary Brachytherapy* 7(5): 417-422, 2015.
 26. **Prisciandaro JI**, Makkar A, Fox CJ, Hayman JA, Horwood L, Pelosi F, Moran JM: Dosimetric review of cardiac implantable electronic device patients receiving radiotherapy *J Appl Clin Med Phys* 16(1): 5189, 2015. PM25679176
 27. **Prisciandaro J**, Hadley S, Jolly S, Lee C, Roberson P, Roberts D, Ritter T: Development of a brachytherapy audit checklist tool *Brachytherapy* 14(6): 963-969, 2015. PM26439623
 28. Owrangi AM, Jolly S, Balter JM, Cao Y, Maturen KE, Young L, Zhu T, **Prisciandaro JI**: Clinical implementation of MR-guided vaginal cylinder brachytherapy *Journal of applied clinical medical physics /American College of Medical Physics* 16(6): 5460, 2015. PM26699556
 29. A.M. Owrangi, D.A. Roberts, E.L. Covington, J.A. Hayman, K.M. Masi, C.I. Lee, J.M. Moran, and **J.I. Prisciandaro**: Revisiting fetal dose during radiation therapy: Evaluating treatment techniques and a custom shield *Journal of Applied Clinical Medical Physics* 17(5): 34-46, 2016. (Erratum *J Appl Clin Med Phys*. 2017 Nov;18(6):288. doi: 10.1002/acm2.12191. Epub 2017 Sep 13.)
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 32. Covington EL, Ritter TA, Moran JM, Owrangi AM, **Prisciandaro JI**: Technical Report: Evaluation of peripheral dose for flattening filter free photon beams *Medical Physics* 43(8): 4789-4796, 2016. PM27487896
 33. Younge KC, Lee C, Moran JM, Feng M, Novelli P, **Prisciandaro JI**: Failure mode and effects analysis in a dual-product microsphere brachytherapy environment *Practical Radiation Oncology* 6(6): e299-e306, 2016. PM27155761
 34. Murphy J, Berman DR, Edwards SP, **Prisciandaro J**, Eisbruch A, Ward BB: Squamous Cell Carcinoma of the Tongue During Pregnancy: A Case Report and Review of the Literature *Journal of Oral and Maxillofacial Surgery* 74(12): 2557-2566, 2016. PM27424068
 35. B. Loughery, G. Starkschall, K. Hendrickson, **J. Prisciandaro**, B. Clark, G. Fullerton, G. Ibbott, E. Jackson, and J. Burmeister: Navigating the Medical Physics Education and Training Landscape *Journal of Applied Clinical Medical Physics* 18(6): 275-287, 2017.
 36. C.H. Chapman, D. Polan, K. Vineberg, S. Jolly, K.E. Maturen, K.K. Brock, and **J.I. Prisciandaro**: Deformable image registration-based contour propagation yields clinically acceptable plans for MRI based cervical cancer brachytherapy planning *Brachytherapy* 17(2): 360- 367, 2018.
 37. C.S. Mayo, T. McNutt, J. Palta, A. Dekker, R. Miller, M. Phillips, Y. Xiao, J.M. Moran, M.M. Matuszak, P. Gabriel, A. Ahmet, **J. Prisciandaro**, M. Thor, N. Dixit, R. Popple, J. Killoran, E. Kaleba, M. Kantor, D. Ruan, Y. Archambault, R. Kapoor, M. Kessler, T. Lawrence: Treatment Data and Technical Process Challenges for Practical Big Data Efforts in Radiation Oncology *Medical Physics* 45(10): e793-810, 2018.
 38. P. Hawkins, M. Tang, K. Vineberg, L. Young, K. Kovach, C. Lee, K. Maturen, S. Uppal, D. Owen, M. Schipper, **J. Prisciandaro**, S. Jolly: Dosimetric Impact of Interfractional Organs at Risk Variation during High-dose Rate Interstitial Brachytherapy for Gynecologic Malignancies *Medical Dosimetry*

- 44(3): 239-244, 2019.
39. Moyed Miften, Dimitris Mihailidis, Stephen Kry, Chester Reft, Carlos Esquivel, Jonathan Farr, David Followill, Coen Hurkmans, Arthur Liu, Olivier Gayou, Michael Gossman, Mahadevappa Mahesh, Richard Popple, **Joann Prisciandaro**, and Jeffrey Wilkinson: Management of Radiotherapy Patients with Implanted Cardiac Pacemakers and Defibrillators: A Report of the AAPM TG-203 Medical Physics 46(12): e757-e788, 2019.
 40. J.A. Seibert, A.P. Blatnica, J.B. Clements, P.H. Halvorsen, M.G. Herman, J.L. Johnson, B.A. Schueler, M. C. Martin, J.R. Palta, D.E. Pfeiffer, R.J. Pizzutiello, **J.I. Prisciandaro**, and G.W. Sherouse: AAPM medical physics practice guideline 7.a: Supervision of medical physicist assistants Journal of Applied Clinical Medical Physics 21(7): 11-15, 2019.
 41. **J.I. Prisciandaro**, X. Zhao, S. Dieterich, Y. Hasan, S. Jolly, and H. Al-Hallaq: Interstitial High Dose Rate Gynecological Brachytherapy: Clinical Workflow Experience from Three Academic Institutions Seminars in Radiation Oncology 30(1): 29-38, 2020.
 42. **J.I. Prisciandaro**: Introduction - Special Issue on Brachytherapy Seminars in Radiation Oncology 30(1): 1-3, 2020.
 43. S.J. Simiele, X. Chen, C. Lee, B.S. Rosen, J.K. Mikell, J.M. Moran, and **J.I. Prisciandaro**: Development and Comprehensive Commissioning of an Automated Brachytherapy Plan Checker Brachytherapy 19(3): 355-361, 2020.
 44. K.C. Paradis, K.A. Ryan, S. Schmid, J.M. Moran, A. Laucis, C.H. Chapman, T. Bott-Kothari, **J.I. Prisciandaro**, S. Simiele, J.M. Balter, M.M. Matuszak, V. Narayana, and R. Jagasi: Gender Differences Exist in Work-Life Integration among Medical Physicists Advances in Radiation Oncology 6(5): 100724, 2021.
 45. **J. Prisciandaro**, J. Zoberi, G. Cohen, Y. Kim, P. Johnson, E. Paulson, W. Song, K-P. Hwang, B. Erickson, S. Beriwal, C. Kirisits, and F. Mourtada: AAPM task group report 303 endorsed by the ABS: MRI implementation in HDR brachytherapy-Considerations from simulation to treatment Medical Physics 49(8): e983-e1023, 2022 (Erratum in: Med Phys. 2022 Oct 31) <https://doi.org/10.1002/mp.15713> doi: 10.1002/mp.15991. Epub ahead of print.)
 46. Joann I. Prisciandaro, Jay W. Burmeister, Paul M. DeLuca Jr, Bruce J. Gerbi, Maryellen L. Giger, James L. Robar, J. Anthony Seibert: AAPM Task Group 298: Recommendations on Certificate Program / Alternative Pathway Candidate Education and Training Journal of Applied Clinical Medical Physics Sep 20:e13777, 2022. doi: 10.1002/acm2.13777. Epub ahead of print. PMID: 36125203.

Non-Peer-Reviewed Journals and Publications

1. M. Huhta, P.F. Mantica, D.W. Anthony, R. Harkewicz, P.A. Lofy, and J.I. Prisciandaro: Production of neutron-rich isotopes following ^{82}Se fragmentation NSCL Annual Report 55: 120-125, 1997.
2. M. Huhta, D.W. Anthony, J.C. Batchelder, P.A. Lofy, B.D. MacDonald, P.F. Mantica, A. Piechaczek, J.I. Prisciandaro, M. Steiner, and E.F. Zganjar: Beta decay of ^{56}Cu to excited states of ^{56}Ni NSCL Annual Report 55: 120-125, 1997.
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4. P.F. Mantica, D.W. Anthony, B.A. Brown, B. Davids, G. Georgiev, M. Huhta, R.W. Ibbotson, P.A. Lofy, J.I. Prisciandaro, and M. Steiner: Isospin nonconserving effects in light, $T_z = -3/2$ nuclei", ENAM98: Exotic Nuclei and Atomic Masses ed. B.M. Sherrill, D.J. Morrissey and C.N. Davids, AIP Conference Proceedings, New York AIP Conference Proceedings, New: 22-25, 1998.
5. J.I. Prisciandaro, P.F. Mantica, D.W. Anthony, M. Huhta, P.A. Lofy, R.M. Ronningen, M. Steiner, and W. B. Walters: Decay studies of neutron-rich $A \sim 70$ nuclei produced by fragmentation of 70 MeV/A ^{76}Ge projectiles", ENAM98: Exotic Nuclei and Atomic Masses ed. B.M. Sherrill, D.J. Morrissey and C.N. Davids, AIP Conference Proceedings, New York AIP Conference Proceedings, NY: 27-30, 1998.
6. M. Huhta, P.F. Mantica, D.W. Anthony, P.A. Lofy, J.I. Prisciandaro, R.M. Ronningen, M. Steiner, and W. B. Walters: Low energy structure of ^{73}Zn NSCL Annual Report, 1998. 55: 55-59, 1998.
7. J.I. Prisciandaro, P.F. Mantica, A.M. Oros-Peusquens, D.W. Anthony, M. Huhta, P.A. Lofy, and R.M. Ronningen: Beta decaying $T_{1/2} = 3.4$ s isomer in ^{69}Ni NSCL Annual Report 55: 125-130, 1998.
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- International Conference on Perspectives in Nuclear Physics, ed. J.H. Hamilton, H.K. Carter and R.B. Piercey, World Scientific, Singapore World Scientific: 55-60, 1999.
9. J. Stanley, A.M. Oros-Peusquens, J.I. Prisciandaro, and P.F. Mantica: Photopeak efficiency of Ge detectors studied with the code MCNP NSCL Annual Report 55: 155-200, 1999.
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 11. J.I. Prisciandaro, P.F. Mantica, A.M. Oros-Peusquens, D.W. Anthony, M. Huhta, P.A. Lofy, and R.M. Ronningen: Branching ratios following the beta decay of ^{69}Ni NSCL Annual Report, 55: 120-125, 1999.
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 15. Chan MF, Prisciandaro JI, Shepard J, Halvorsen PH: Medical Physics Practice Guidelines - the AAPM's minimum practice recommendations for medical physicists. J Appl Clin Med Phys 14(6): 4728, 2013. PM24257293
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 22. J.I. Prisciandaro: Book Review: "Clinical Brachytherapy Physics." Mark J. Rivard, Luc Beaulieu, and Bruce Thomadsen, Editors, Madison, WI, Medical Physics Publishing 2017. ISBN: 9781936366583 Medical Physics 45(8): 4003-4004, 2018.
 23. Prisciandaro, J.I. and N. Dogan: Education Council Report: Residency Program Interviewer Etiquette AAPM Newsletter 44(1): 15-16, 2019.
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