

CURRICULUM VITAE

Name: Patrick Albert Kupelian, M.D.

Position: Vice Chair
UCLA, Department of Radiation Oncology

Professor
Department of Radiation Oncology
David Geffen School of Medicine at UCLA

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Date of Birth: January 18, 1964
US Status: US Citizen

Education

1994-1996: Fellowship, Cleveland Clinic Foundation
Radiation Oncology of genitourinary malignancies
1990-1994: Residency in Radiation Oncology
University of Texas M.D. Anderson Cancer Center, Houston, TX
1989-90: Internship - American University of Beirut Medical Center
1985-89: M.D. - American University of Beirut
1982-85: B.S. Biology - American University of Beirut

Licenses, Certifications:

| | | | |
|------|--|-------------|----------|
| 2010 | Medical Licensure, California | C54049 | Active |
| 2002 | Medical Licensure, Florida | ME 84609 | Inactive |
| 1994 | Medical Licensure, Ohio | 35-06-8301 | Inactive |
| 1994 | Medical Licensure, Pennsylvania | MD-052771-L | Inactive |
| 1995 | Board Certification American Board of Radiology (Radiation Oncology) Recertification 2004 – Valid till 2015 | 39447 | |
| 1993 | FLEX | 640118009 | |

PRINCIPAL POSITIONS HELD:

- 2009-2010:** Chair, Department of Radiation Oncology
M.D. Anderson Cancer Center Orlando
- 2005-2010:** Adjunct Associate Professor
Department of Radiation Oncology
M.D. Anderson Cancer Center
University of Texas
- 2009-2010:** Scientific Director
M.D. Anderson Cancer Center Orlando
- 2002-2010:** Director of Research for Radiation Oncology
M.D. Anderson Cancer Center Orlando
Section Leader, Genitourinary Urinary Malignancies
- 2008-2010:** Professor of Radiation Oncology, Department of Medical Education
College of Medicine, University of Central Florida
- 2004-2010:** Clinical Associate Faculty of Internal Medicine
Department of Clinical Sciences
College of Medicine
Florida State University
- 2002-2010:** Consultant
Department of Radiation Oncology
Cleveland Clinic Foundation

OTHER POSITIONS:

- 1999-2002: Clinical Research Director
Department of Radiation Oncology
Cleveland Clinic Foundation
- 1998-2002 Associate Professor
Department of Radiology
Ohio State University
- 1998-2002: Full Staff
Department of Radiation Oncology
Cleveland Clinic Foundation
- 1997-1998: Associate Staff
Department of Radiation Oncology
Cleveland Clinic Foundation
- 1996-1997: Assistant Staff
Department of Radiation Oncology
Cleveland Clinic Foundation

KEYWORDS/AREAS OF INTEREST:

Cancer, radiation therapy, technology in radiation delivery, prostate cancer, prostate cancer surgery, prognosis, quality of life, intensity modulated radiation therapy, image guided radiation therapy, outcomes research.

PROFESSIONAL ACTIVITIES

CLINICAL / ADMINISTRATIVE

2010-Present:

Vice-Chair of Clinical Operations and Clinical Research, UCLA Radiation Oncology Department

| | |
|---|--------------|
| Vice Chair, UCLA Medical Radiation Safety Committee (MRSC) | 2011-2013 |
| Member, Health Sciences Research Informatics Strategic Planning Committee | 2012 |
| Member, UCLA Ambulatory Practice Clinical Associates (APCA) | 2010-present |
| Physician Advocate (Champion) of Care Connect, UCLA | 2012-2013 |
| Member, UCLA Clinical Research Compliance Committee | 2013-present |

2009-2010:

Chair, Department of Radiation Oncology, M.D. Anderson Cancer Center Orlando

2009-2010:

Scientific Director, M.D. Anderson Cancer Center Orlando

2002-2010:

Director of Research for Radiation Oncology, M.D. Anderson Cancer Center Orlando

2002-2010:

Section Leader, Genitourinary Urinary Malignancies, M.D. Anderson Cancer Center Orlando

1994-2002:

Lead, Cleveland Clinic Prostate Cancer Registry

INDUSTRY (current list)

2010 - Present:

Scientific Advisory Board, ViewRay Inc.

2011 – Present:

Advisory Board - ARIA, Varian Medical Systems

2011 – Present:

Consultant, Expert Medical Navigation

2012 – 2014:

Americas Regional Board Member – Accuray: Accuray Exchange in Radiation Oncology (AERO)

PROFESSIONAL ORGANIZATIONS

MEMBERSHIPS:

American Society for Radiology and Oncology
European Society for Therapeutic Radiology and Oncology
American Brachytherapy Society
American Society of Clinical Oncology
American Urological Association
Radiological Society of North America

SERVICE TO PROFESSIONAL ORGANIZATIONS:

American Society for Radiology and Oncology (ASTRO):

2009-2011 Elected to the Nominating Committee
2011-2014 Member, Annual Meeting Education Committee of the Annual Meeting Steering Committee
2011-2012 Education Committee
2011-2015 Member, Emerging Technology Monitoring Subcommittee
2013-2014 Annual Meeting Track - GU
2011-2012 Co-Chair, GU Track, Annual Meeting
2012-2013 Co-Chair, Lung Track, Annual Meeting
2009 Member of the Image Guided Radiotherapy workforce, working with the ASTRO's Council on Health Policy and Economics and the Health Services Research Committee.
2010 Member, Delphi Panel, Radiation Oncology Institute

ASTRO Education Meetings:

Abstract reviewer / Moderator, oral / poster presentation sessions:
ASTRO 2002, 2004, 2005, 2006, 2009, 2010, 2011
ASTRO 3D/IMRT Symposium, workshop instructor, Chicago 2/01
ASTRO 3D/IMRT Symposium, workshop instructor, Tampa 2/02
ASTRO 3D/IMRT Symposium, workshop instructor, San Diego 2/03
ASTRO IGRT Symposium, workshop instructor, Las Vegas, 4/06
ASTRO IGRT Symposium, workshop instructor, St Petersburg, 4/07
ASTRO IMRT Symposium, workshop instructor, Orlando, 2/08
ASTRO IGRT Symposium, workshop instructor, Newport Beach, 4/08
ASTRO IMRT Symposium, workshop instructor, Phoenix, 1/09
ASTRO IGRT Symposium, workshop instructor, Miami, 5/09
ASTRO IGRT Symposium, Co-Chair, Miami, 5/09
ASTRO IMRT/IGRT/SBRT Symposium, Chair, Dallas, 2010
ASTRO IMRT/IGRT/SBRT Symposium, Co-Chair, Las Vegas, 2011
ASTRO IMRT/IGRT/SBRT Symposium, Co-Chair, Las Vegas, 2012
ASTRO IMRT/IGRT/SBRT Symposium, speaker, San Antonio, 2013

American Board of Radiology:

Oral Board Examiner (Radiation Therapy)

June 2006

June 2007

June 2009

June 2011

Written Board Examination Writer (Radiation Therapy)

2012-13

AHRQ Effective Health Care Program (Evidence-based Practice Centers)

Reviewer (2011)

AIRC – Italian Association for Cancer Research

2012 - Ad hoc reviewer, grants applications.

Cancer Research UK

2013-2014 - Ad hoc reviewer, grants applications.

Ontario Consortium for Adaptive Interventions in Radiation Oncology” – OCAIRO (Ontario, Canada)

2011 - Present

Scientific Advisory Board

SERVICE TO PROFESSIONAL PUBLICATIONS

Senior Editor

Practical Radiation Oncology (2012-present)

Applied Radiation Oncology (2012-2013)

Reviewer

International Journal of Radiation Oncology Biology Physics (1994-present)

Urology (1996-present)

Journal of Urology (1997-present)

Cancer (1997-present)

Journal of Clinical Oncology (1998-present)

Brachytherapy (2003-present)

Lancet Oncology (2006-present)

European Urology (2006-present)

Radiotherapy and Oncology (2007-present)

Radiation Oncology (2007-present)

British Journal of Urology (2007-present)

Physics in Medicine and Biology (2008-present)

Practical Radiation Oncology (2010-present)

Prostate Cancer and Prostatic Diseases (2011-present)

BMC Urology (2011-present)

Acta Oncologica (2012-present)

HONORS AND AWARDS

2011-2012 Best Doctors in America

2013 Best Doctors in America

INVITED PRESENTATIONS

INTERNATIONAL

International Symposium on 10th Anniversary of Permanent Prostate Brachytherapy in Japan

Tokyo, Japan, Jan 2014

“Brachytherapy vs EBRT/IMRT vs Prostatectomy”

“Rectal Toxicity and Management”

International Cancer Prostate Symposium, Santa Catarina Hospital

Sao Paulo, Brazil, August 2013

“Clinical Target Volume Delineation in Prostate Bed Radiation Therapy”

“Low Risk Prostate Cancer: Risk Stratification / Predictive Models”

“Hypofractionation (Fraction sizes 240-310 cGy): Tumor Control”

“Potency After Radiation Therapy for Prostate Cancer”

“Image Guidance: Are Fiducials Necessary?”

“Hypofractionation: Radiobiology of hypofractionation: Toxicity of Fraction Sizes (240 – 700 cGy)”

“SBRT for Prostate Cancer: Evolution of Prostate Ca EBRT. Faster, Better, Cheaper”

“Management of high risk prostate cancers: Should ADT be kept with dose escalation?”

“Is there any therapeutic gain in prescribing doses greater than 80 Gy? The argument for dose escalation”

4th Bi-annual Congress of Radio- Chemotherapy, the Fundación Marie Curie

Cordoba, Argentina, June 2013

“Relevance of IGRT Technology for Prostate Cancer Irradiation”

“Hypofractionation for Prostate Cancer”

“SBRT for Prostate Cancer”

(Invited Talks)

Cancer CI-2013: Cancer Care, Education & Research Conference International

Banjara Hills, Hyderabad, India, February 2013

“Basics of Prostate Cancer Radiotherapy”

“Image Guidance in Prostate Cancer Radiotherapy”

(Invited Talks)

International Symposium on Medical Innovation, Hokkaido University

Sapporo, Japan, Oct 2012

“Innovation in Radiotherapy”

(Keynote Speech)

International Conference on Electronic PATIENT Imaging (12th)

Sydney, 12 – 14 March 2012

“Clinical applications of in-room imaging”

(Keynote Speech)

Radiotherapy and Medical Physics Congress

Reggio Emilia, Italy 10/11

“Adaptive Radiation Therapy”

(Invited Talk)

2011 International Tomotherapy Conference

Heidelberg, Germany 9/11

“Hypofractionation for localized prostate cancer”

(Invited Talk)

1st Biograph World Summit

Munich, Germany 7/11

“PET/CT Imaging in Radiation Therapy and Response Assessment”
(Invited Talk)

Radiation Oncology in Prostate Cancer, Klinikum rechts der Isar Technische Universität München
Munich, Germany 3/11

“Is IGRT the new standard?”

“Tracking and other IGRT modalities”
(Invited Talks)

XII Congresso da Sociedade Brasileira de Radioterapia

Campinas, Brazil 10/10

“Imaging in Radiotherapy: Clinical Impact ”

“Radiotherapy with Modern Techniques in Locally Advanced Lung Cancers: Are There Advantages?”

“Current status of hypofractionated radiotherapy for prostate cancer (including SBRT)”
(Invited Talks)

IX Last Generation Radiotherapy Course, Hospital Siro-Libanés

Sao Paulo, Brazil 11/09

“IGRT overview”

“Prostate cancer: When does technology make a difference?”

“Future of lung cancer radiotherapy”
(Invited Talks)

Jornada Rede D’Or 2009

Rio de Janeiro, Brazil 8/09

“Introduction to Radiosurgery”

“Approach to Modern Radiotherapy”

“Prostate Radiosurgery”
(Invited Talks)

Technical University Munich,

“**International Conference on the Clinical Use of TomoTherapy**”

“Helical Tomotherapy: Prostate Cancer”, Munich, Germany 10/08

“Report on Helical Tomotherapy in North America”, Munich, Germany 10/08
(Invited Talks)

EMUC (European Multidisciplinary Meeting on Urological Cancers)

Barcelona, Spain 11/07

First European Multidisciplinary Meeting on Urological Cancers

“Radiotherapy For Localized Advanced Prostate Cancer”
(Invited Talk)

Brainlab Medical Systems:

BrainLAB Medical, “The MDACCO Experience with IGRT”, Munich, Germany 11/07
(Invited Talk)

ESTRO (European Society for Therapeutic Radiology and Oncology)

Barcelona, Spain 9/07

“Electromagnetic Target Positioning and Tracking During Treatment”
(Invited Talk)

International Conference on the Use of Computers in Radiation Therapy (XVth ICCR 2007)

Toronto, Canada 6/07

“Outcomes Analysis: Evidence from Clinical Trials - Where do we Stand?”
(Invited Talk)

Cromwell Hospital, Tomotherapy Symposium

“Helical TomoTherapy: A Solution For IG, DG & Adaptive Radiotherapy”, London, UK 9/06
(Invited Talk)

Institut Curie, Tomotherapy Symposium

“Helical Tomotherapy: Adaptive Therapy”, Paris, France 10/07
(Invited Talk)

Tomotherapy European Users Meeting

Lugano, Switzerland 3/06

“Image Guided Dose Guided Adaptive Radiotherapy”
(Invited Talk)

International Conference on Translational Research, Tomotherapy Symposium

“Image Guided Dose Guided Adaptive Radiotherapy”, Lugano, Switzerland 3/06
(Invited Talk)

INVITED PRESENTATIONS

NATIONAL

AAPM (American Association of Physicists in Medicine):

Florida Chapter Meeting "Localization in radiotherapy for localized prostate", Orlando 3/02
AAPM Annual Meeting, IG Panel, "Prostate Image Guided Radiotherapy", Minneapolis 7/07
AAPM Annual Meeting, Real Time Guidance in Radiotherapy Panel, "Real Time Radiotherapy", Philadelphia 2010
AAPM Summer School 2011, "Uncertainties in pelvic radiotherapy", Vancouver 8/11
AAPM Annual Meeting, Panel, "Automated Treatment Planning", Charlotte 7/12
AAPM Annual Meeting, Panel, "Clinical Applications of Deformable Registration", Charlotte 7/12

ACRO (American College of Radiation Oncology):

"Hypofractionation for localized prostate cancer", Las Vegas, 2/05

ACS ScienceWriters Meeting;

"Familial prostate cancer", Newport, 3/98

ARS (American Radium Society)

"Hypofractionation for Localized Prostate Cancer", Laguna Niguel, 5/08
"Pelvic RT for localized prostate cancers: Do we believe in Randomized Studies?", Laguna Niguel, 5/08

Advancing Radiation Oncology: A Collaborative Forum

"Localized prostate cancer": session moderator, 11/12

ASTRO (American Society for Radiology and Oncology)

ASTRO Annual Meeting Panel; "Localization in radiotherapy for localized prostate" 10/00
ASTRO Spring Refresher Course, "Prostate Cancer", 4/04
ASTRO Annual Meeting, Presidential Course, "Prostate IGRT", 10/05
ASTRO IGRT symposium, "Transitioning from 3D to 4D: from IMRT to IG/IMRT in the Pelvis", Las Vegas, 4/06
ASTRO IGRT symposium, Debate, "On-board Volumetric Imaging is NOT the Gold Standard for Precision Radiation Therapy", Newport Beach, 4/06
ASTRO IGRT symposium, "IG/IMRT in the Pelvis", St Petersburg, 4/07
ASTRO IMRT Symposium, Organ Motion Panel, "Prostate IGRT", Orlando, 2/08
ASTRO IGRT symposium, "IGRT in the Pelvis", Newport Beach, 4/08
ASTRO IMRT Symposium, Organ Motion Panel, "Prostate IGRT", Phoenix, 1/09
ASTRO IGRT symposium, "Prostate IGRT", Miami, 5/09
ASTRO IGRT symposium, "Prostate IGRT/SBRT", Dallas, 5/10
ASTRO Annual Meeting, Adaptive Radiotherapy Panel, "Adaptive RT: Clinical Applications", San Diego, 10/10
ASTRO State-of-the-Art symposium, Debate, "Anatomic vs Physiologic Adaptive RT", Las Vegas,, 5/11
ASTRO Annual Meeting, Adaptive Radiotherapy Panel, "Advanced Imaging in Radiotherapy", Miami, 11/11
ASTRO Annual Meeting, Adaptive Radiotherapy Debate, "Adaptive RT", Miami, 11/11
ASTRO State-of-the-Art symposium, Debate, "Prostate Cancer Radiotherapy: External Beam RT", Las Vegas, 5/12
ASTRO Annual Meeting, Educational course, "Image Guidance", Boston, 10/12
ASTRO Annual Meeting, Educational course, "Clinical applications of Deformable Registration", Boston, 10/12
ASTRO State-of-the-Art symposium, Debate, "Prostate Cancer Radiotherapy", San Antonio, 5/13
ASTRO Annual Meeting, Educational course, "Clinical applications of Deformable Registration", Boston, 9/13
ASTRO State-of-the-Art symposium, Moderator, "Prostate Cancer Radiotherapy", San Antonio, 5/14

Cleveland Clinic Foundation Cancer Center Urology course:

"Wither external beam radiotherapy for localized prostate cancer?", Cleveland 11/10

Fletcher Society Meeting

"Image Guided Radiotherapy", Santa Fe, 7/07

Fox Chase Cancer Center Hypofractionation Symposium:

"Hypofractionation for Localized Prostate Cancer: CCF and MDACCO Experiences", Philadelphia, 11/06

Linac Radiosurgery Meeting 2011

"Prostate Cancer: Conventional Radiotherapy Options", Orlando, 12/11

Medical Education Collaborative Prostate Cancer Series:

| | | |
|---------------------------------|--------------|---------|
| "Prostate Cancer: Radiotherapy" | Nashville | 10/1999 |
| "Prostate Cancer: Radiotherapy" | Philadelphia | 2/2000 |
| "Prostate Cancer: Radiotherapy" | Nashville | 3/2000 |
| "Prostate Cancer: Radiotherapy" | Houston | 7/2001 |

National Urology Oncology Update;

Advances in radiotherapy for localized prostate cancer, Chicago (1999)
Advances in radiotherapy for localized prostate cancer, Cleveland (2000)
Advances in radiotherapy for localized prostate cancer, San Francisco (2001)

Scottsdale Prostate Cancer Symposium - Annual Meeting Scottsdale 3/10

"Dose Escalation External Beam"
"Hypofractionated Radiation"
"RTOG Prostate Cancer Trials"

Scottsdale Prostate Cancer Symposium - Annual Meeting Scottsdale 3/12

"IMRT and Hypofractionated Radiation"
"Dose Escalation External Beam"
"Erectile Dysfunction Following Radiation Therapy"

Scottsdale Prostate Cancer Symposium - Annual Meeting Scottsdale 3/14

"IMRT and Hypofractionated Radiation"
"Dose Escalation External Beam"
"Erectile Dysfunction Following Radiation Therapy"

Radiological Society of North America (RSNA):

RSNA 2005, Refresher Course; "Helical Tomotherapy", Chicago 12/05
RSNA 2006, Refresher Course; "Image Guided Radiotherapy", Chicago 12/06
RSNA 2007, Refresher Course; "Image Guided Adaptive Radiotherapy", Chicago 12/07
RSNA 2008, Refresher Course; "Adaptive Planning and IGRT", Chicago 12/08
RSNA 2012, Refresher Course; "Uncertainties in Deformable Registration", Chicago 11/12
RSNA 2012, Refresher Course; "Uncertainties in Deformable Registration", Chicago 12/13

San Francisco Radiation Oncology Conference (Stanford/UCSF/UC Davis/St. Francis)

"CT Guided IGRT: Prostate", San Francisco 5/06
"Prostate IGRT", San Francisco 4/06
"Tomotherapy", San Francisco 4/06
"Helical Tomotherapy: Practical Solutions for Advanced Radiotherapy", San Francisco 5/09
"Adaptive IGRT: Prostate Cancer as a Model for Radiotherapy Practice", San Francisco 5/09

SROA (The Society for Radiation Oncology Administrators)

Annual Meeting, "Helical Tomotherapy", Orlando 4/05

SRS/SBRT Scientific Meeting 2012 – RadioSurgery Society

Carlsbad, California
"Early Stage Prostate: SRS & Brachytherapy, IMRT & Surgery"
(Invited Talk, debate)

Stanford SBRT Symposium - 2012

Palo Alto, California, 12/2012
"Hypofractionation for localized prostate cancer"
(Invited Talk)

Surf Sun and Seeds Conference, Lynn Regional Cancer Center:

"Transabdominal ultrasound for prostate localization". Boca Raton, 3/01
"Helical Tomotherapy / Management of Prostate Cancers", Boca Raton, 3/04
"Helical Tomotherapy / Management of Prostate Cancers", Boca Raton, 3/05
"Helical Tomotherapy / Management of Prostate Cancers", Boca Raton, 3/06
"Helical Tomotherapy / Management of Prostate Cancers", Boca Raton, 3/07

"Advances in IGRT for prostate cancer: Impact of Target Motion", Boca Raton, 3/08

University of North Carolina:

Urologic Tumors, Landes Symposium, "Localized Prostate Cancer: Radiation versus Surgery", 6/05

University of Rochester:

Scientific Conference on SBRT, "Motion / Deformation: Impact of Prostate RT/ SBRT", Rochester, 6/08

UT MDACC Prostate Cancer Course, Hawaii, 2/06:

"Radiotherapy for Localized Prostate Cancers: External Beam"

"Radiotherapy for Localized Prostate Cancers: Brachytherapy"

University of Minnesota, Donald Gleason Conference on Prostate and Urologic Cancers

Minneapolis, November 2013

Keynote Speaker

"Hypofractionation for Prostate Cancer (including SBRT): Faster, Better, Cheaper"

UT Southwestern SBRT Conference, Dallas, 5/07

"Image Guided Dose Guided Adaptive Radiotherapy for Localized Prostate Cancers"

"High Dose Hypofractionation for Localized Prostate Cancer"

University of Wisconsin Fractionation Conference

"High Dose Hypofractionation for Localized Prostate Cancer", Madison, 9/05

INVITED PRESENTATIONS

REGIONAL AND OTHER INVITED PRESENTATIONS

ASTRA/ZENECA Pharmaceuticals:

Physician Advisory Board Meeting, Tucson AZ, 4/99

Representative training session, Cleveland OH, 4/00

Case Studies, Moderator, Orlando FL, 7/02

Banner Hospital / MD Anderson Cancer Center:

Scottsdale AZ, 11/13

"Hypofractionation/SBRT for localized prostate cancer"

(Visiting Professor)

Brainlab Medical Systems:

"Advances in radiotherapy for localized prostate cancer", Baylor Richardson, Dallas, 11/02

"Advances in radiotherapy for localized prostate cancer", Univ. Maryland, Dallas, 6/03

"Advances in radiotherapy for localized prostate cancer", St Raphael's, New Haven, 12/03

"Intrafraction Motion Management", Users Group ASTRO, Boston, 10/08

Calypso Medical Systems:

Seattle Prostate Institute Course. "Electromagnetic localization of the prostate", Seattle, 3/06

City of Hope, Los Angeles, 2005

"Advances in the Treatment of Localized Prostate Cancers"

(Visiting Professor)

Computerized Medical Systems:

Presenter, Users' meeting, St Louis, 5/02

Presenter, Users' meeting, Boca Raton, 2/03

Presenter, Users' meeting, Philadelphia, 4/05

Electronic Health Series;

Videoconference Dubai Festival: Radiotherapy for prostate cancer (2001)

Fox Chase Cancer Center, Philadelphia 2/03
"Hypofractionation for localized prostate cancer"
(Visiting Professor)

Halifax Hospital Tumor Conference:
"Image Guided Radiotherapy", Daytona, 6/05
"Prostate Cancer Radiotherapy", Daytona, 5/06
"Prostate Cancer Therapy", Daytona, 5/08

Johns Hopkins, Baltimore 12/03
"Hypofractionation for localized prostate cancer"
(Visiting Professor)

Lakewood Hospital Cancer research lecture:
"Prostate cancer: radiotherapeutic options" Cleveland 11/97

Marconi Systems:
Lecturer, Users meeting, Boston, 10/00

Massachusetts General Hospital, Boston, 1/01
"Improvements in external beam radiation therapy for prostate cancer in the PSA era"
(Visiting Professor)

New York Roentgen Society:
"Prostate IGRT". New York 5/09

Nomos Corporation:
"Localization in radiotherapy for localized prostate cancer". Boca Raton 1/01
"IMRT for localized prostate cancer". Nomos Users meeting. Pittsburgh 3/01
"Advances in external beam radiotherapy for localized prostate cancer ". Panama City 2/02
"Localization in radiotherapy for localized prostate cancer". Nomos Users meeting. Los Angeles 6/02
"Localization in radiotherapy for localized prostate cancer". Nomos Users meeting. New Orleans 10/02

Q-Fix 2011 Symposium:
"Motion Management for Prostate Cancer Radiotherapy", Orlando 5/11

San Diego Radiological Society
"Prostate cancer in the PSA era; Treatment options", San Diego 3/97
"External beam radiotherapy for localized prostate cancer", San Diego 6/01

Schering Oncology:
"Hormonal Treatment of Prostate Cancer" Cleveland 9/96

Siemens – Molecular Imaging – Advisory Board Meeting:
"Molecular Imaging in Radiotherapy", Chicago 10/08
"Molecular Imaging", Chicago 10/10
"Adaptive Radiotherapy", Siemens RT Imaging Expert Lounge, Boston 11/12

TAP Pharmaceuticals:
"Radiotherapy and Hormonal Treatment of Prostate Cancer", West Virginia, 4/99
"Radiotherapy and Hormonal Treatment of Prostate Cancer", Ravenna OH, 7/99
"Hormonal Treatment of Prostate Cancer", West Virginia, 10/00

Tomotherapy Inc.:
"Tomotherapy at MDACCO", Users' meeting, Salt Lake, 2003
"Prostate Tomotherapy", Users' meeting, Atlanta, 2004
"Adaptive Radiotherapy with Tomotherapy", Users' meeting, Shreveport, 2005
"Adaptive Radiotherapy: A Physician's Perspective", Users' meeting, Seattle, 2005
Tomotherapy Users ASTRO Meeting, Moderator, Philadelphia, 11/06

"Impact of Daily Soft Tissue Imaging", Tomotherapy Symposium, Moffitt Cancer Center, Tampa , 4/07
"Helical Tomotherapy: Prostate Cancer", Tomotherapy Users ASTRO Meeting, Los Angeles, 10/07
"Image guidance for prostate cancer: Tomotherapy", Technical University, Munich, 3/11

UC Davis, Sacramento, 2/06

"Image Guided Dose Guided Adaptive Radiotherapy"
(Visiting Professor)

UC Irvine, Irvine, 1/11

"Advances in External Beam Radiotherapy for Localized Prostate Cancer"
(Visiting Professor)

UCLA

"Hypofractionation in the treatment of localized prostate cancer", Los Angeles, 4/01
(Visiting Professor)

"Image Guided and Adaptive Radiotherapy in the Clinic", Los Angeles, 12/08
(Visiting Professor)

Virginia Commonwealth University, Richmond, 1/13

"Hypofractionation for localized prostate cancer"
(Visiting Professor)

William Beaumont Hospital, Detroit, 4/05

"Hypofractionation for localized prostate cancer"
(Visiting Professor)

University of Minnesota, Minneapolis, 11/13

Donald Gleason Conference on Prostate and Urologic Cancers
"Hypofractionation/SBRT for localized prostate cancer"

UT MD Anderson Cancer Center

"Image Guided Dose Guided Adaptive Radiotherapy", Houston 10/05
"IGRT: The MDACCO Experience", Houston 8/08
(Visiting Professor)

GOVERNMENT and OTHER PROFESSIONAL SERVICE:

Florida Department of Health:

Member of the 2005 Florida Prostate Cancer Advisory Committee.

Special Review Committee, National Cancer Institute Special Emphasis Panel:

Diagnostic imaging and guided therapy in prostate cancer (Phased Innovation)
NIH RFA CA 99-015, April 2000

Special Review Committee, National Cancer Institute Special Emphasis Panel:

Diagnostic imaging and guided therapy in prostate cancer: SBIR/STTR initiative
NIH PAR 99-149, April 2000

PUBLIC SERVICE

Patient education / Patient support groups:

"Radiotherapy and prostate cancer" CCF, 5/97
"Radiotherapy and prostate cancer" Akron OH, 2/98
"Radiotherapy and prostate cancer" ACS Cleveland OH, 6/98
"Radiotherapy and prostate cancer" ACS Cleveland OH, 6/98
"Radiotherapy and prostate cancer" ACS Cleveland OH, 6/99
"Radiotherapy and prostate cancer" ACS Cleveland OH, 6/00
"Radiotherapy for prostate cancer" Mercy Medical Center, Philadelphia, 10/00
"Radiotherapy for prostate cancer" Prostate Cancer Research Inst., Los Angeles, 10/00
"Radiotherapy and prostate cancer" ACS Cleveland OH, 4/01
"Radiotherapy for prostate cancer" Mc Laren Hospital, Flint Michigan, 9/01
"Radiotherapy and prostate cancer" ACS Cleveland OH, 4/02
"Radiotherapy and prostate cancer" ACS Daytona FL, 7/02
"Radiotherapy and prostate cancer" ACS Daytona FL, 8/02
"Radiotherapy and prostate cancer" ACS Melbourne FL, 7/02
"Radiotherapy and prostate cancer" ACS Kissimee FL, 9/02
"Radiotherapy and prostate cancer" ACS Leesburg FL, 10/02
"Radiotherapy and prostate cancer" ACS The Villages FL, 11/02
"Radiotherapy and prostate cancer" ACS Melbourne FL, 5/03
"Radiotherapy and prostate cancer", Men's Health Summit, Rockledge FL, 6/03
"Radiotherapy and prostate cancer", ACS Orlando FL, 8/03
"Radiotherapy and prostate cancer", Apopka FL, 2/04
"Radiotherapy and prostate cancer" ACS Leesburg FL, 3/04
"Radiotherapy and prostate cancer", ACS Orlando FL, 8/04
"Radiotherapy and prostate cancer" ACS Leesburg FL, 4/05
"Radiotherapy and prostate cancer", ACS Orlando FL, 9/05
"Radiotherapy and prostate cancer" ACS Leesburg FL, 4/06
"Radiotherapy and prostate cancer" ACS Leesburg FL, 9/06
"Radiotherapy and prostate cancer" ACS Leesburg FL, 4/07
"Radiotherapy and prostate cancer" ACS Leesburg FL, 9/07
"Radiotherapy and prostate cancer" First Baptist Church, Orlando FL, 9/09
"Radiotherapy and prostate cancer" ACS Orlando FL, 9/09

TEACHING / EDUCATION

Supervisory Teaching / Direct Supervision / Research Supervision

Medical Students

| Date | Name | Program/ School | Role | Current Position |
|-------------|-----------------|-----------------------------------|---|---|
| 2005 | Victor Gonzalez | FSU 4 th Student | Clinical Supervision/ Research project | Radiation Oncology Resident University of Utah |
| 2008 | Adam Huddleston | FSU 4 th Student | Clinical Supervision/ Research project | Radiation Oncology Resident UC Davis |

Residents and Fellows

Radiation Oncology residents: Cleveland Clinic Foundation: 1994-2002

| Date | Name | Program/ School | Role | Current Position |
|---------------|-------------------|----------------------------|---------------------------------------|--|
| 1994-19 97 | Eduardo Fernandez | Rad. Oncology Resident | Clinical Supervision | Private Practice Radiation Oncology |
| 1994-19 97 | Jerry Katcher | Rad. Oncology Resident | Clinical Superv./ Research project | Private Practice Radiation Oncology |
| 1996-20 00 | Janice Lyons | Rad. Oncology Resident | Clinical Superv./ Research project | Ass. Prof., Rad. Onc. University Hospitals |
| 1996-20 00 | Mark Chidel | Rad. Oncology Resident | Clinical Superv./ Research project | Private Practice, Kaiser Perm. Radiation Oncology |
| 1997-20 01 | Chris Sohayda | Rad. Oncology Resident | Clinical Superv./ Research project | Private Practice, Kaiser Perm. Radiation Oncology |
| 1997-20 01 | Lav Goyal | Rad. Oncology Resident | Clinical Superv./ Research project | Private Practice, Kaiser Perm. Radiation Oncology |
| 1998-20 02 | Jeffery Buchsbaum | Rad. Oncology Resident | Clinical Superv./ Research project | Private Practice, Radiation Oncology |
| 1998-20 02 | Jason Seavolt | Rad. Oncology Resident | Clinical Supervision | Private Practice, Radiation Oncology |
| 1999-20 02 | Deepak Khuntia | Rad. Oncology Resident | Clinical Superv./ Research project | Ass. Prof., Rad. Onc. Univ. Wisconsin |
| 1999-20 02 | Thomas Carlson | Rad. Oncology Resident | Clinical Superv./ Research project | Private Practice, Radiation Oncology |
| 2000-20 02 | Chandu Patel | Rad. Oncology Resident | Clinical Superv./ Research project | Private Practice, Radiation Oncology |
| 1998 | Fai Jhaveri | Urology Fellow | Research project | Private Practice, Urology |
| 1999 | Amr Fergany | Urology Fellow | Research project | Staff, Urology Cleveland Clinic |

Radiation Oncology residents: UCLA: 2010-2012

| | | | | |
|-----------|-----------------|------------------------|-----------------|--------------------------------------|
| 2010-2011 | Brian Yeh | Rad. Oncology Resident | Clinical Superv | Fellowship, Radiation Oncology |
| 2010-2011 | Amr Hussain | Rad. Oncology Resident | Clinical Superv | Private Practice, Radiation Oncology |
| 2010-2012 | Jeff Wu | Rad. Oncology Resident | Clinical Superv | Private Practice, Radiation Oncology |
| 2010-2013 | Niraj Mehta | Rad. Oncology Resident | Clinical Superv | Private Practice, Radiation Oncology |
| 2010-2013 | William Lorentz | Rad. Oncology Resident | Clinical Superv | VA Hospital, Radiation Oncology |

TEACHING AND MENTORING

Cleveland Clinic Foundation Radiobiology 1994-1997;

Lectures on cell survival curves and time-dose fractionation in radiotherapy.

Cleveland Clinic Foundation Lecture series:

Prostate cancer: Management issues (1994)
Prostate cancer: Introduction to natural history and pathophysiology (1995)
Prostate cancer: External beam radiotherapy techniques (1996)
Prostate cancer: Radiotherapeutic options (1997)
Prostate cancer: The CCF experience (1997)
Prostate cancer: Current management (1998)
Genitourinary cancers: Management (1998)
Prostate cancer: Current management (1999)
Genitourinary cancers: Management (1999)
Current treatment techniques for localized prostate cancer (1999)
Current treatment techniques for localized prostate cancer (2000)
Current treatment techniques for localized prostate cancer (2001)

Cleveland Clinic Foundation Cancer Center research conference series:

"Localized prostate cancer in the PSA era; the CCF experience" 12/1996
"Localized prostate cancer: New radiotherapy techniques " 12/1997
"Radiotherapy for prostate cancer at CCF: Past, Present, Future" 3/2000
"Advances in Urology" CCF Urological Institute, 3/17/2001

Cleveland Clinic Foundation Cancer Center Urology course:

Advances in external beam radiotherapy for localized prostate cancer, Cleveland 11/01
Advances in external beam radiotherapy for localized prostate cancer, Cleveland 11/02

Cleveland Clinic Foundation ASTRO review course:

ASTRO review for GU malignancies, Cleveland, 1999
ASTRO review for GU malignancies, Cleveland, 2000
ASTRO review for GU malignancies, Cleveland, 2001
ASTRO review for GU malignancies, Cleveland, 2002
ASTRO review for GU malignancies, Cleveland, 2003
ASTRO review for GU malignancies, Cleveland, 2004
ASTRO review for GU malignancies, Cleveland, 2005

UCLA:

Radiation Oncology Didactic lecture, "Advanced Technologies", UCLA, 2010
Radiation Oncology Didactic lecture, "Patient registries", UCLA, 2012

RESEARCH AND CREATIVE ACTIVITIES

Active Research Funding

Industry – Varian Medical: PI: Patrick Kupelian
\$427,463 3/14-2/17
UCLA Radiation Oncology Registry

Past Research Funding

Industry – Varian Medical: PI: Patrick Kupelian
\$412,500 1/11-12/12
UCLA Radiation Oncology Registry

NIH: 1R21CA144063-01 NIH PI: Ke Sheng
Predicting the lung ventilation change caused by radiation therapy
03/1/2010-02/28/2013

Florida Department of Health Program Grant: PI: Patrick Kupelian
\$949,717 8/08-7/10
Incorporating 3D Lung Dynamics into Lung Radiotherapy for Non-small Cell Lung Cancer

Florida Department of Health: PI: Omar Zeidan
\$ 359,286 8/08-7/11
Evaluation of a Novel 3D Polymer Gel Dosimetry System for Proton Radiotherapy

Industry - Tomotherapy Inc: PI: Patrick Kupelian
\$300,000 1/06- ongoing
Image guided radiotherapy and Adaptive Radiotherapy

Industry – Calypso Medical: PI: Patrick Kupelian
\$255,000 1/06-12/08
Real time target localization during external beam radiotherapy

Industry – BrainLAB: PI: Patrick Kupelian
\$45,000 1/06- 1/10
Image Guided and Gated Radiotherapy

Industry – Siemens Medical: PI: Patrick Kupelian
\$100,000 9/06-9/09
Optimized workflow for 4D PET/CT acquisition, reconstruction, and simulation
Integration and Validation of Siemens PET/CT Respiratory Gating System

NIH (R01CA106835): PI: Mark Ritter
\$969,965 7/05-6/09
Hypofractionated IMRT for Localized Prostate Cancer

UT MDACC:
\$5000 7/93 - 12/93
DNA damage and repair measurements as predictors of normal tissue radiosensitivity.
Received a Research Award given by the University of Texas M.D. Anderson Cancer Center.

Amersham Healthcare:
\$20,000 7/97-6/98
PI: Patrick Kupelian
Use of Strontium-89 for metastatic prostate cancer to the skeleton.

American Cancer Society Institutional Research grant (RPC 3528)

PI: Patrick Kupelian
\$5000 7/97-6/98

Pilot study for research on adherence to prostate cancer screening in men at high familial risk.

General Motors:

PI: Patrick Kupelian
\$500,000 1/15/98-1/14/01

Short Course Intensity Modulated Radiotherapy for Localized prostate cancer.

Department of Defense (DAMD 17-98-1-8589)

PI: John Witte
\$375,360 7/1/98-6/30/00

Relation of Genes to Prostate Cancer Occurrence and Aggressiveness.

American Cancer Society (TRBP PBP-98371)

PI: Leslie Schover
\$278,000 6/1/99-5/31/01

Help-seeking for Sexual Problems after Prostate Cancer Treatment.

NIH: PI: John Witte
\$2,695,871 7/1/00-6/30/05

Genetic Epidemiology of Prostate Cancer Aggressiveness.

NIH: PI: Martin Sanda

1/1/02

Survivor QOL & Spouse Satisfaction after Prostate Cancer

INVESTIGATOR INITIATED CLINICAL TRIALS (PARTIAL LIST- MOST RECENT)

SINGLE INSTITUTION

MDACCO. IRB #: 09.060.09. Title: Evaluation of a Serum Based Assay for Detection of Cancer Related Antigens in Patients with Prostate Cancer: A Potential Tool for Screening, Early Diagnosis, and Disease Surveillance.

PI: P. Kupelian
Open 2009

MDACCO. IRB #: 09.061.09. Title: Development of a Homogeneous One-Step Immunoassay for Cancer Biomarker Detection

PI: P. Kupelian
Open 2009

MDACCO. IRB #: 08.047.07. Title: Incorporating 3D Lung Dynamics into Lung Radiotherapy for Non-small Cell Lung Cancer

PI: P. Kupelian
Open 2008

MDACCO. IRB #: 08.046.07. Title: Feasibility Study of Dose Delivery Variation Documentation on Repeat Kilovoltage CT Scans During External Beam Radiotherapy Courses

PI: P. Kupelian
Open 2008

MDACCO. IRB # 07.053.07. Title: A Feasibility Study of Real Time Motion Data Collection in Patients with Non Small Cell Lung Cancer (Electromagnetic Tracking)

PI: P. Kupelian
Open 2007

MULTIINSTITUTIONAL

MDACCO IRB #: 09.057.08. Title: Phase I and II Study of Stereotactic Body Radiation Therapy (SBRT) for Low and Intermediate Risk Prostate Cancer (SBRT Prostate)

National PI: B. Timmerman
MDACCO PI: P. Kupelian
Open 2009

MDACCO IRB #: 09.015.03. Title: FLT101 – A Phase II/III, Open Label, Non-Randomized, Multi -Center Study Of Positron Emission Tomography (PET) Imaging with [F-18] FLT Compared to [F-18] FDG in Cancer Patients for Treatment Evaluation

National PI: James Zhang (Siemens)
MDACCO PI: P. Kupelian
Open 2009

PATENTS

Ref. S07-332/US -- ID:379507-332: A method of 3D position estimation with a single x-ray imager utilizing the target probability density. Inventor Paul Keall.

Ref. UCF 10669-084: Real-time radiation delivery dose calculation using physics-based lung models and multiple GPU. Inventor Anand Santhanam provisionally submitted in Aug 3th 2010

UC-2011-557-1-LA Multi-3D Camera Based Tracking Systems and Methods for Acquiring a 3D Surface of an Object
SANTHANAM

UCLA CASE NO. 2012-392

COPYRIGHT: DOSE ENDPOINT PARSER FROM RADIATION THERAPY PLANS

UCLA CASE NO. 2012-697

SYSTEMS AND METHODS FOR REAL-TIME REMOTE 3D RADIOTHERAPY TREATMENT MONITORING

UCLA CASE NO. 2012-696

SYSTEMS AND METHODS FOR REAL-TIME RADIATION THERAPY GANTRY COLLISION DETECTION

UCLA Case No. 2013-526

Copyright Entitled "HEALTH OUTCOMES PROCESSING SUITE (HOPS)"-

Authors: Patrick A. Kupelian, Pin-Chieh Wang and Weber W Shao

LICENSES

Dose Endpoint Parser – VisionTree - 2012

PEER-REVIEWED PUBLICATIONS:

1. **Kupelian PA**, Eifel P, Tornos C, Burke T, Delclos L, Oswald M:
Treatment of endometrial carcinoma with radiotherapy alone.
Int. J. Radiat. Oncol. Biol. Phys., Vol. 27, pp: 817-824, 1993.
2. **Kupelian PA**, Katcher J, Levin H, Zippe C, Klein E:
Correlation of clinical and pathologic factors with rising prostate specific antigen profiles after radical prostatectomy alone for clinically localized prostate cancer.
Urology, Vol. 48, pp. 249-260, 1996
3. **Kupelian PA**, Komaki R, Allen P:
Prognostic factors in the treatment of node-negative non-small cell lung carcinoma with radiotherapy alone.
Int. J. Radiat. Oncol. Biol. Phys., Vol. 36, pp: 607-613, 1996.
4. Fernandez E, Suh J, **Kupelian PA**, Sohn J, Barnett G:
An analysis of prognostic factors for patients with single brain metastasis treated with stereotactic radiosurgery.
Radiation Oncology Investigations, Vol. 5, pp. 31-37, 1997.
5. Keyser D, **Kupelian PA**, Zippe C, Klein E:
Stage T1-2 prostate cancer with pretreatment PSA levels 10ng/ml or less: Radiotherapy or surgery?
Int. J. Radiat. Oncol. Biol. Phys., Vol. 38, pp.: 723-729, 1997.
6. Katcher J, Levin H, Zippe C, Klein E, **Kupelian PA**:
Indications for seminal vesicle coverage in the treatment of clinically localized adenocarcinoma of the prostate with radiotherapy alone.
Int. J. Radiat. Oncol. Biol. Phys., Vol. 37, pp: 871-876, 1997.
7. **Kupelian PA**, Witte J, Suh J, Kupelian VA, Klein E:
Familial prostate cancer: A different disease?
J. Urology, Vol. 158, pp: 2197-2201, 1997.
8. **Kupelian PA**, Witte J, Kupelian V, Macklis R, Klein E:
Family history of prostate cancer in patients with localized prostate cancer: An independent predictor of outcome.
J. Clin. Oncol., Vol. 15: 1478-1480, 1997.
9. **Kupelian PA**, Katcher J, Levin H, Klein E:
Stage T1-2 prostate cancer: A multivariate analysis of factors affecting biochemical and clinical failures after radical prostatectomy.
Int. J. Radiat. Oncol. Biol. Phys., Vol. 37, pp: 1043-1052, 1997.
10. **Kupelian PA**, Katcher J, Levin H, Zippe C, Suh J, Macklis R, Klein E:
External beam radiotherapy versus radical prostatectomy for clinical stage T1-2 prostate cancer: Therapeutic implications of stratification by pretreatment PSA levels and biopsy Gleason scores.
Cancer J. Sci. Am., Vol. 3: 78-87, 1997.
11. Mohan D, Suh J, Phan J, **Kupelian PA**, Cohen B, Barnett G:
Results of definitive surgery and radiation therapy for patients aged ≥ 70 years with supratentorial glioblastoma multiforme: the Cleveland Clinic Experience.
Int. J. Radiat. Oncol. Biol. Phys., Vol. 42, pp. 981-987, 1998.
12. Suh J, Barnett G, Miller D, Fernandez-Viscioso E, **Kupelian PA**:
The results of stereotactic radiosurgery with or without whole brain radiation therapy for patients with newly diagnosed single brain metastasis.
Radiosurgery, Vol. 2, p.51, 1998.
13. Klein E, **Kupelian PA**, Witte JS:
Does a family history of prostate cancer result in more aggressive disease?
Prostate Cancer and Prostatic Diseases, Vol. 1, pp. 297-300, 1998.
14. Klein E, **Kupelian PA**, Tuason L, Levin H:
Initial dissection of the lateral fascia reduces the positive margin rate in radical prostatectomy.
Urology, Vol. 51, pp. 766-773, 1998.
15. Sohn J, Macklis R, Suh J, **Kupelian PA**:
A mobile shield to reduce scatter radiation to the contralateral breast during radiotherapy for breast cancer: Preclinical

results.

Int. J. Radiat. Oncol. Biol. Phys., Vol. 43, pp. 1037-1041, 1999.

16. Chidel M, Rice T, Adelstein D, **Kupelian PA**, Suh J, Becker M:
Resectable esophageal carcinoma: Local control with neoadjuvant chemotherapy and radiation therapy.
Radiology, Vol. 213, pp: 67-72, 1999.
17. Jhaveri F, Zippe C, Klein E, **Kupelian PA**:
Biochemical failure does not predict overall survival after radical prostatectomy for localized prostate cancer: 10 year results.
Urology, Vol. 54, pp. 884-890, 1999.
18. Jhaveri F, **Kupelian PA**, Levin H, Klein E:
Declining rates of extracapsular extension in radical prostatectomy: Evidence of continued stage migration.
J. Clin. Oncol., Vol. 17, pp. 3167-3172, 1999.
19. Chidel M, Suh J, Greskovich J, **Kupelian PA**, Barnett G:
Treatment outcome of patients with primary non small-cell lung cancer and synchronous brain metastasis.
Radiation Oncology Investigations, Vol. 7, pp: 313-319, 1999.
20. Paris P, **Kupelian PA**, Hall J, Williams T, Levin H, Klein E, Casey G, Witte J:
Association between a CYP3A4 genetic variant and clinical presentation in African-American prostate cancer patients
Cancer Epidemiol Biomarkers Prev, Vol. 8, pp: 901-905, 1999.
21. Sohayda C, **Kupelian PA**, Altsman K, Klein E:
Race is not an independent factor affecting outcome after radical prostatectomy or definitive radiotherapy for localized adenocarcinoma of the prostate.
J. Urology, Vol. 162, pp.: 1331-1336, 1999.
22. Suh J, Barnett G, Sohn JW, **Kupelian PA**, Cohen BH:
Results of linear-accelerator-based stereotactic radiosurgery for recurrent and newly diagnosed acoustic neuromas.
Int. J. Cancer, Vol. 90, pp. 145-151, 2000
23. Fergany A, **Kupelian PA**, Levin H, Zippe C, Reddy C, Klein E:
No difference in biochemical failures with or without pelvic lymph node dissection during radical prostatectomy in low-risk patients.
Urology, Vol. 56: pp. 92-95, 2000.
24. Paris P, Witte J, **Kupelian PA**, Levin H, Klein E, Catalona W, Casey G:
Identification and fine mapping of a region showing a high frequency of allelic imbalance on chromosome 16q23.2 that corresponds to a prostate cancer susceptibility locus.
Cancer Research, Vol. 60, pp. 3645-3649, 2000.
25. Kattan M, Zelefsky M, **Kupelian PA**, Fuks Z, Leibel S:
A pretreatment nomogram for disease progression following conformal radiotherapy for prostate cancer.
J. Clin. Oncol., Vol. 18, pp. 3352-3359, 2000.
26. Sohayda C, **Kupelian PA**, Klein E, Zippe C, Levin H:
Extent of extracapsular extension in localized prostate cancer.
Urology, Vol. 55, pp. 382-386, 2000.
27. Mohan D, **Kupelian PA**, Willoughby T:
Short-course intensity-modulated radiotherapy for localized prostate cancer with daily transabdominal ultrasound localization of the prostate gland.
Int. J. Radiat. Oncol. Biol. Phys., Vol. 46, pp: 575-580, 2000.
28. Lyons J, **Kupelian PA**, Mohan D, Reddy C, Klein E:
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Urology, Vol. 55, pp. 85-90, 2000.
29. **Kupelian PA**, Mohan D, Lyons J, Reddy C, Klein E:
Higher than standard radiation doses (≥ 72 Gy) with or without androgen deprivation in the treatment of localized prostate cancer.
Int. J. Radiat. Oncol. Biol. Phys., Vol. 46, pp: 567-574, 2000.
30. **Kupelian PA**, Buchsbaum J, Reddy C, Klein E:
Radiation dose response in patients with favorable localized prostate cancers (Stage T1-T2, biopsy Gleason ≤ 6 , and pretreatment PSA ≤ 10).

Int. J. Radiat. Oncol. Biol. Phys., Vol. 50, pp: 621-626, 2001.

31. **Kupelian PA**, Willoughby T:
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J. Clin. Oncol., Vol. 20: 3206-3212, 2002.
36. **Kupelian PA**, Reddy C, Willoughby T:
Dose / volume relationship of late rectal bleeding after external beam radiotherapy for localized prostate cancer: Absolute or relative rectal volume?
Cancer J. Sci. Am., Vol. 8: 61-65, 2002.
37. Mahmoud-Ahmed A, Suh J, **Kupelian PA**, Klein E, Peereboom D, Dreicer R, Barnett G: Brain metastases from bladder carcinoma: Presentation, treatment and survival.
J Urol. 2002, Vol. 167 (6): 2419-2422, 2002.
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Preliminary observations on biochemical relapse free survival rates after Short-course intensity modulated radiotherapy (70 Gy at 2.5 Gy per fraction) for localized prostate cancer.
Int. J. Radiat. Oncol. Biol. Phys., Vol. 53: 904-912, 2002.
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Pre-operative combined nested RT-PCR for PSA and PSM does not correlate with pathologic stage or biochemical failure in patients with localized prostate cancer undergoing radical prostatectomy.
J. Clin. Oncol., Vol. 20: 2313-3218, 2002.
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41. **Kupelian PA**, Elshaikh M, Reddy C, Zippe C, Klein E:
Efficacy of prostatectomy versus radiotherapy for localized prostate cancer in the PSA era: a large single-institutional experience with radical prostatectomy and external beam radiotherapy.
J. Clin. Oncol., Vol. 20: 3376-3385, 2002.
42. Mahmoud-Ahmed A, **Kupelian PA**, Reddy C, Suh J:
Brain metastases from gynecological cancers: Factors that affect survival.
Technology in Cancer Research and Treatment, Vol. 1: 305-310, 2002.
43. Schover L, Fouladi R, Warneke C, Neese L, Klein E, Zippe C, **Kupelian PA**.
Defining sexual outcomes after treatment for localized prostate carcinoma.
Cancer 95(8): 1773-85, 2002.
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The use of treatments for erectile dysfunction among survivors of prostate carcinoma.
Cancer 95(11): 2397-407, 2002.
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Improvement in relapse-free survival throughout the PSA era in patients with localized prostate cancer treated with definitive

radiotherapy: Year of treatment is an independent predictor of outcome.
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55. **Kupelian PA**, Potters L, Khuntia D, Ciezki J, Reddy C, Reuther A, Carlson T, Klein E Radical prostatectomy, external beam radiotherapy <72 Gy, external beam radiotherapy > =72 Gy, permanent seed implantation, or combined seeds/external beam radiotherapy for stage T1-T2 prostate cancer. *Int J Radiat Oncol Biol Phys.* 58 (1):25-33, 2004.
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Monotherapy for Stage T1-T2 Prostate Cancer: Radical Prostatectomy, External Beam Radiotherapy, or Permanent Seed Implantation.
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Int J Radiat Oncol Biol Phys, 63 (3):795-799, 2005.
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Medical Physics, 32(11): 3424-3430, 2005.
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NON-PEER REVIEWED PUBLICATIONS AND OTHER CREATIVE ACTIVITIES:

Review Articles

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