



Alexis Andrew Miller

Radiation Oncologist

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<http://radonc.wikidot.com/>
<http://oncologyjournal.blogspot.com.au/>
<http://uow.academia.edu/AndrewMiller>

Personal Details

Address 14 Sublime Crescent,
Mount Pleasant NSW 2519
Australia
Date of Birth 11th May 1955
Citizenship Australian
Place of Birth Hamilton VIC, Australia
Wife Dr Allison Gayle Miller B.Med(N'cle),
B.App.Sc(Sp.Path.), FRACGP, FRANZCGP
Children

Evan Heywood Miller	DOB: 22.3.86
Samuel Kenneth Miller	DOB: 8.10.88
Jesse Robert Miller	DOB: 19.6.91
Alexis Varvara Miller	DOB: 21.5.93
Verity Grace Miller	DOB: 18.2.97
Zachary Andrew Miller	DOB: 14.6.99

About me

As a qualified Fellow of the Royal Australian & New Zealand College of Radiologists (FRANZCR), a qualified educationalist (Grad.Dip.Ed) and an informatician (FACHI, M.Inf.Comm.Tech[Res]), I undertake medical practice as a general oncologist sub-specialised in Prostate, Lung and Head & Neck cancer with special interests in the area of Service Provision to Rural/Remote Areas, Highly Conformal Adaptive & Technical Radiotherapy, and innovative informatics-focused use of commercial Oncology Information Systems. I have expertise in Oncology Informatics by virtue of a research degree, a research agenda, the provision of industry advice and excellence of informatics use in clinical care.

Current professional development is maintained with a professional reading program in paper and electronic formats, introducing techniques that reduce toxicity and improve disease outcome and improving efficiency and ease of highly conformal techniques.

My patient management is undertaken with expertise in patient interaction and education and I am seen as compassionate, professional, and approachable. I provide constant involvement of the patient in decision making and am punctual and prompt with my clinics.

Within Heath Systems, I have expertise in clinical quality assurance (QA) activities implementation particularly with a coherent governance model for QA in health care, the specification and documentation of mandatory data, the matching of departmental process and QA process, the building and use of routine clerical QA/medical reports, and using QA processes as educational feedback to improve accuracy and reduce workload. I routinely apply root cause analysis to identify deficits in clinical competence and in clinical notes, and to determine the site of system dysfunction and responsibility. I have improved work flow efficiency with the early implementation of an electronic Prescription, automated electronic Discharge Summary, paperless work processes, and provision of remote access to workload. He has been involved in process development with Guideline development & implementation, the establishment of Clinical Governance compliance and the introduction and chairing of Multidisciplinary Clinics.

I have particular expertise in Education across a wide spectrum of experience including Secondary, Post-graduate & Tertiary Education, as well as Patients, Public, support Societies, Allied Health Professionals and non-oncological specialities. I have been involved in professional development as a Radiotherapeutic Physics examiner (2003–2009), a Supervisor of RO Training, an Intern Supervisor (first year doctors) and have convened conferences. I am involved in the active development of the trainee characterised by an active description of expectations of attainment standards, constant reflection on performance and plentiful opportunity to engage patients and techniques peculiar to radiation oncology. I have developed excellence in presentations with well defined messages, a logical schema and an engaging presentation style.

My expertise in Medical Informatics includes the implementation of electronic systems with rapid deployment of paperless environments and digital processes; intelligent redesign of departmental processes to match

electronic process; integration of data collection, display and utilisation into a coherent data flow through departmental process characterised by data re-use with novel collaborations with Cancer Registries, automated information delivery to governmental Health Departments and database reporting to automate documentation within the clinical process. I act as an international resource in the application of information systems with a formal appointment in academic Informatics faculty (Centre for Oncology Informatics, University of Wollongong), and I was a member of the NeHTA Lead Clinician group (2008–2011).

Within clinical medicine, I have developed local trials, cooperated with other departments, and been involved with international trial groups. I am involved with data mining, alternate methods of data procurement, the extraction of meaningful data and measures of efficiency and work towards the automated description of outcomes. I undertake research, being committed, involved, collaborative, and enthusiastic in this effort. I have undertaken the role of independent data reviewer for a Phase 1 trial.

Undertaking wider hospital involvement has led to expertise in leading and contributing to Admission Projects, Information Technology Committees, and Mortality & Morbidity Committees. The community is engaged in my position as a Board member of the Rotary Club of Wollongong. I have had national involvement in the determination of adequate resourcing of national radiation services, national specification of adequate staffing levels and as an assessor of hospital-based training programs for interns with Medical Council of New Zealand. I was a member of the Australian National e-Health Transition Authority Lead Clinician group (2008–2011) and was involved in generating a report on IT Infrastructure to Support Clinical Trials for the Australian Federal Departments of Health and Industry, Innovation and Science.

Time spent as a Clinical Leader over a substantial period covering multiple roles at local, state, national and international levels have produced abilities in strategic vision, early planning, coherent implementation, equipment procurement during a complete technology upgrade, system development using a formal collaboration agreement with hardware and software suppliers, aggressive departmental marketing leading to a local donation of \$0.8 million and an international reputation as a premier site of electronic record implementation, staff motivation through continuous technological and process development, and frequent debriefing, staff development activities include supervising radiation therapists undertaking external studies, and developing opportunities for staff to provide professional advice to other departments.

Academic Appointments

April 2013 - present

Adjunct Professor of Informatics
School of Engineering & Information Science
University of Wollongong

August 2010 - present

Honorary Clinical Professor
Graduate School of Medicine
University of Wollongong

Research Roles

Radiation Oncology Informatics

Director

Centre for Oncology Informatics, University of Wollongong
(Research centre investigating ontologies, argumentation, clinical work flow and clinical trial business process modelling and execution in the Oncology Informatics workspace)

Master of Information and Communication Technology (Research)
University of Wollongong, Faculty of Engineering & Information Science
Thesis title - **Towards an Ontology for Radiation Oncology**

Radiation Oncology

Perfection of image-based radiation delivery by 3DCRT and IMRT methods in collaboration with the Centre for Medical Radiation Physics, University of Wollongong

Morphology-guided Radiation Therapy Research protocol undertaken by Dr Farhannah Aly under my supervision in the Illawarra Cancer Care Centre.

Research Literature

Co-founder and co-owner of Journal of Radiation Oncology Informatics (<http://www.jroi.org>)

Clinical Trial Support

Independent Data Monitor, Phase 1 Deflexifol Trial, FP101/FP102

Professional Membership

Registering Body

Australian Health Practitioners Regulation Agency (AHPRA)
MED0001145412

Royal Australian and New Zealand College of Radiologists
CME No: 1212

College of Physicians & Surgeons of Nova Scotia
13710

American Society of Therapeutic Radiology and Oncology

Previously:

New Zealand Medical Council APC No: 22604

Medical Council of Queensland 1031340

Medical Board of Victoria MPG 364044

NSW Medical Board MPO 247110

Advisory Bodies

IHE Australia Radiology Deployment Group (31/3/2010 – 31/12/2010)

NeHTA Clinical Leads Forum, [National e-Health Transition Authority]
(19/2/2008 – 2011)

Developing an ICT Strategic Plan for Clinical Trials Reference Group
(2/12/2009 – 17/3/2010)

Clinical Trials Action Group, Department of Innovation, Industry, Science
& Research

Community Awards

Rotary Club of Wollongong

Paul Harris Fellowship 2014

Employment

26 November 2005 - present

Senior Staff Specialist (Radiation Oncology)
Department of Radiation Oncology
Illawarra Cancer Care Centre
New Dapto Road, Wollongong NSW 2500

Aug 1999 – 26 November 2003

Medical Head of Radiation Oncology
Regional Cancer Treatment Service
Palmerston North, New Zealand

June 1998 – November 2003

Consultant Radiation Oncologist in private practice

Aorangi Consulting Rooms
175 Grey Street, Palmerston North, NZ

Omahu Clinic
205 Omahu Road, Hastings, NZ

Oct 1997 – Aug 1999

Consultant Staff Radiation Oncologist
Regional Cancer Treatment Service
Palmerston North, New Zealand

Locum Radiation Oncology Employment

July 2005 - September 2005

Peter MacCallum Cancer Institute
Department of Radiation Oncology
The Bendigo Hospital, BENDIGO VIC Australia

April 2005 - June 2005

St George Cancer Care Centre
Kogarah NSW. 2217

9 August 2004 – 30 October 2004

Assistant Professor, Department of Radiation Oncology
Dalhousie University & QE2 Hospital
HALIFAX, Nova Scotia, Canada

28 June 2004 – 23 July 2004

Department of Radiation Oncology
The Townsville Hospital
TOWNSVILLE QLD 4814 Australia

10 May 2004 – 4 June 2004

Department of Radiation Oncology
The Townsville Hospital
TOWNSVILLE QLD 4814 Australia

8 March 2004 – 30 April 2004

Radiation Oncology Associates
The Mater Hospital
North Sydney, Australia

May 2003 – July 2003

Department of Radiation Oncology
The Townsville Hospital
TOWNSVILLE QLD 4814 Australia

October 1998 – November 1998

St George Cancer Care Centre
Kogarah NSW. 2217 Australia

Consultancy

1 April 2004 - present

Director

Oncology Information Services Ltd, AU

(Electronic medical record implementation, oncology education, medical database reporting, process analysis, medico-legal assessment and radiotherapy systems, and provision of locum services.)

01 October 2002 – 30 March 2004

Director

Photon Consultancy Limited, NZ

(Electronic medical record implementation, oncology education, medical database reporting, process analysis, medico-legal assessment and radiotherapy systems, and provision of locum services.)

Education

2013

Master of Information and Communication Technology (Research)
University of Wollongong

1997

Successful election to Fellowship
Royal Australian & New Zealand College of Radiologists

Part II Examination

Diploma of Royal Australian & New Zealand College of Radiologists

1995

Statistics Assignment (Honours +)

Diploma of Royal Australian & New Zealand College of Radiologists

1994

Part I Examination

Diploma of Royal Australian & New Zealand College of Radiologists

1984-88

Bachelor of Medicine

University of Newcastle, NSW

1980

NSW Department of Education

Promotional Assessment (Secondary Science)

1977

Graduate Diploma in Education

Canberra College of Advanced Education

1974-76

Bachelor of Science

Australian National University

1973

Higher School Certificate NSW

1972-73

Yr. 11–12; St Thomas Aquinas College, Albury NSW

1969-71

Yr. 8–10; Whitefriars College, Donvale VIC

1968

Yr. 7; Assumption College, Kilmore VIC

Conferences & Courses

1994

RANZCR Scientific Meeting, Sydney. NSW

1996

Fourth Leura Breast Conference, Leura. NSW

1997

First World Conference on Breast Cancer, Kingston. ONTARIO

1998

Genitourinary Oncology Meeting (Androcur Meeting), Lake Taupo. NZ

Lung Cancer Conference, Adelaide. SA

New Zealand Society of Oncology Scientific Meeting, Christchurch. NZ

Lung Cancer Conference (Eli Lilly Meeting), Queenstown. NZ

1999

Gordon Research Conference, Ventura, CA, USA

International Stereotactic Radiosurgery Society Conference, Sydney, NSW

UCSF/Stanford Radiation Oncology Update, San Francisco, CA, USA

Genitourinary Oncology Meeting (Androcur Meeting), Akaroa, NZ

RANZCR Scientific Meeting, Wairakei, NZ

Australian and New Zealand Head & Neck Society Conference, Sydney, NSW

New Zealand Society of Oncology Scientific Meeting, Dunedin, NZ

Breast/Lymphoma Conference (Roche Meeting), Queenstown, NZ

2000

NSW Radiotherapy Summit, 2000 and beyond. February 2000 Sydney, Australia
Genitourinary Oncology Meeting (Androcur Meeting), Waiheke Island.

NZ Visitor to Saskatchewan Cancer Foundation, October 16-17, 2000

Advanced Users Group, LANTIS Users Meeting, Boston MA, October 20–21

2000 ASTRO, Boston MA 2000

ANZ Head & Neck Society Conference, Gold Coast, Qld

2001

Advanced Users Group, Siemens Users Meeting, February 2001 Melbourne, Australia

ICRO, February 2001, Melbourne, Australia

Visitor to Department of Radiation Oncology, UCSF, San Francisco, USA to advise on implementation strategies for EMR

Lantis Users Meeting, Siemens Users Meeting, November, 2001 San Francisco, USA

ASTRO, November 2001, San Francisco, USA
Lantis Users Meeting, Siemens Users Meeting, September, 2001 Singapore

New Zealand Society of Oncology Scientific Meeting, May 2001, Rotorua, NZ

Genitourinary Oncology Meeting (Androcur Meeting), July 2001, Taupo, NZ

RANZCR Annual Scientific Meeting, October 2001, Melbourne, Australia
RACS Annual NZ Scientific Meeting, Palmerston North, September 2001
NSW Radiotherapy Information Systems meeting, September 2001 Sydney, Australia

2002

RANZCR Scientific Meeting, Wellington, NZ
New Zealand Society of Oncology Scientific Meeting, Palmerston North, NZ
Genitourinary Oncology Meeting (AstraZeneca Meeting), Rotorua, NZ
Lantis Users Meeting, Siemens Users Meeting, November, 2002 New Orleans, USA
ASTRO, New Orleans, USA
Waiting Time Conference, September 2002, Liverpool, NSW

2003

Practical Aspects of IMRT Implementation, Palmerston North, NZ
Convenor, Genitourinary Oncology Meeting (AstraZeneca Meeting), Rotorua, NZ
UICC Nasopharyngeal Cancer Conference, Hong Kong, SAR
International Congress on Radiation Research. August 2003, Brisbane, Australia
RANZCR Annual Scientific Meeting, August 2003, Brisbane, Australia
Moderator Information Systems, Lantis Users Meeting, Siemens Users Meeting, October 18, 2003 Salt Lake City UT, USA
ASTRO, Salt Lake City UT, USA
International Congress on Oral Cancer (incorporating the Australian & New Zealand Head & Neck Society Annual Scientific Meeting, Sofitel Hotel, Melbourne

2004

ASTRO, October 2004, Atlanta GE, USA
CARO-ACRO, September 2004, Halifax NS, Canada

2006

Prostate Cancer Therapy Workshop, University of Wollongong, January 2006, Wollongong, NSW Australia

2007

Computer-based Medical Systems 2007, Maribor, Slovenia
Site visit, Princess Royal Hospital, Hull, UK [host: Dr C hamilton]
HC2007, Harrogate UK
MEDINFO 2007, Brisbane QLD
AMIA, Chicago IL, USA
Site visit, Cardinal Bernardino Centre, Loyola University, Chicago IL, USA
ASTRO, Philadelphia PA, USA [host: A/Prof K Albuquerque]

2008

Computer-based Medical Systems 2008, Jyvaskyla, Finland
Site visit, Saint Anne's Hospital, Caritas Christi Health Care, 795 Middle Street, Fall River, MA 02721 USA [host: Ms M Hamilton]

RANZCR Scientific Meeting, Adelaide SA, Australia
ASTRO, Boston MA, USA
Australian Computer Society Conference, Wollongong, NSW

2009

HealthInfo 2009, Porto, Portugal
Site Visit, Allegheny General Hospital, Pittsburgh PA, USA [host: Dr D Parda]
Varian Radiotherapy 2020 invitation meeting, Montreal CA
Computer-based Medical Systems 2009, Albuquerque NM, USA
Site Visit, Scripps Clinic, San Diego CA, USA (host: Dr Prabhakar Tripurenemi)
eHealth2009, Istanbul Turkey
ASTRO2009, Chicago IL, USA (Invited Speaker)
DICOM Course, GE Healthcare, Brisbane QLD

2010

Computer-based Medical Systems 2010, Perth WA
eHealth2010, Casablanca, Morocco
Site Visit, Department of Radiation Oncology, Kantonspital, Lucerne SWITZERLAND [host: Dr Tim Collen]
Site Visit, Department of Radiation Oncology, Kantonspital, St Gallen, SWITZERLAND [host: Dr Paul-Martin Putora]
Site Visit, Department of Radiation Oncology, UCL St-Luc University Hospital, Brussels, BELGIUM [host: Prof V Gregoire]

2011

Computer-based Medical Systems 2011, Bristol UK
Site Visit, Allegheny General Hospital, Pittsburgh PA, USA [host: Dr D Parda]

2012

Med-e-Tel 2012, Luxembourg
Computer-based Medical Systems 2012, Rome IT
NetMed 2012, Montpellier, FR
Invited Speaker, Pinnacle Users Group Meeting, Darwin 2012
ASTRO 2012 Boston MA

2013

Computer-based Medical Systems 2013, Porto PO
ASTRO Spring Refresher, Chicago IL
MEDINFO 2103, Copenhagen DN
Invited Speaker, TROG Technical Meeting, Wellington NZ

2014

ASTRO Spring Refresher, New Orleans LA
ASTRO 2014 San Francisco CA
Australian Computer Society, Workshop on Fact-Based Modelling, Canberra ACT

2015

Canadian Organisation of Medical Physics, 2015 Winter School, Kelowna BC, Canada

26th Medical Informatics Europe Conference (MIE2015, Madrid Spain, 27–29 May 2015)

5th International Conference on Digital Health (DigiHealth2015, Florence Italy, 18–20 May 2015)

15th Conference on Artificial Intelligence in Medicine (AIME2015, Pavia Italy, 17–20 June 2015)

28th IEEE International Symposium on Computer-based Medical Systems (CBMS 2015, Sao Carlos/Ribeirao Preto Brazil, 1–3 July 2015)

Site Visit, Abramson Cancer Care Centre, University of Pennsylvania, Philadelphia PA USA [host: Dr P Gabriel]

Site Visit, Harold C. Simmons Comprehensive Cancer Center, UT South-Western Medical Center, Dallas TX USA [host: A/Prof K Albuquerque]

2016

29th IEEE International Symposium on Computer-based Medical Systems (CBMS 2016, Dublin/Belfast Nth Ireland/Ireland, June 2016)

18th International Conference on the use of Computers in Radiation Therapy (ICCR), London UK, June 2016

14th International Conference on Informatics, Management and Technology in Healthcare (ICIMTH), Athens, July, 2016

Site Visit, Elekta, Sunnyvale CA USA (discussions on the future development of MOSAIQ®)

2017

Informatics for Health 2017 (includes MIE2017, Manchester UK, 24–26 April 2017)

Farr Institute, HealthyR: R Statistics for healthcare data. Statistics Course, Nov 2017, Edinburgh UK

Site Visit, Elekta, Sunnyvale CA USA (discussions on the future development of MOSAIQ®)

2018 31th IEEE International Symposium on Computer-Based Medical Systems (CBMS 2018, Karlstad, Sweden, June 18-21, 2018)

16th International Conference on Informatics, Management and Technology in Healthcare (ICIMTH), Athens, July 6-8, 2018

Site Visit, Elekta, Sunnyvale CA USA (discussions on the future development of MOSAIQ®)

Publications

Books & Book Chapters

Miller AA *The Electronic Medical Record*, Chapter 4 in **Informatics in Radiation Oncology**, Eds George Starkschall, R. Alfredo C. Siochi, 329 pages, CRC Press, 2013. ISBN:1439825823

Miller AA, Kearsley JH. *Radiobiology: Its Relevance To Treatment in Cancer Facts: A Concise Oncology Text*. 1999:35

Articles

1995

Miller AA, Hamilton CS, Reid AL, Ireland MC.
Delays in diagnosis of head and neck cancer.
The Medical Journal of Australia. 1995;162(6):334.

1998

Miller AA, Holecek MJ.
Guidelines for radiation oncology registrar training.
Australasian Radiology. 1998; 40(2):149-151.

2002

Phillips AK, Anson J, Sloman B, Miller AA.
Integration of Radiation Therapy Information Systems.
Electromedica. 2002; 70(2):111-117.

2003

Hansen C, Michael C, Fon PJ, Miller AA, Jeal P, Dass J.
Real men do get breast cancer: male breast cancer in North Queensland. A retrospective analysis,
In: **12th International Congress of Radiation Research**. Brisbane: 2003.

Miller A, Turgay FEN, Hopsital E, Ankara T.
CLL and Squamous Cell Cancer of the Auricle.
Turkish Journal of Haematology. 2003;20(4):251-0.

Miller AA.
Clinical Information Systems in Oncology - Making a Difference to Patient Outcomes
Health Care and Informatics Review Online. 2003 ;(December)
Available from: <http://www.hinz.org.nz/journal/2003/12/Clinical-Information-Systems-in-Oncology—Making-a-Difference-to-Patient-Outcomes/888>

2006

Miller AA, Phillips AK.
A contemporary case study illustrating the integration of health information technologies into the organisation and clinical practice of radiation oncology.
The HIM journal. 2006;34(4):136.

Miller A.

New informatics-based work flow paradigms in radiation oncology: the potential impact on epidemiological cancer research.

The HIM journal. 2006;34(3):84.

2007

Miller AA, Yu P.

Development of a specialist medical vocabulary for radiation oncology.

In K. Kuhn, J. Warren & T. Leong (Eds.), World Congress on Medical Informatics (pp. P342-1-P342-3). Netherlands and HISA Ltd Australia: IOS Press.

Metcalf PE, Hardcastle N, Miller A, Foo K,

EUD Objectives for IMRT Prostate Plans.

Australasian Physical & Engineering Sciences in Medicine (pp. 373-374).

<https://v2.overleaf.com/project/534b780391dc20464bd613dd>

2008

Aly F, Miller A, Dixon J, Williams M, Jones S, Chrystal D.

The design and development of a protocol for adaptive intensity modulated radiotherapy (IMRT) in head and neck cancers.

Journal of Medical Imaging and Radiation Oncology 2008; 54(s2): A115

DOI: 10.1111/j.1440-1673.2008.01986.x

Metcalf P, Hardcastle N, Davies A, Miller A, Foo K

Superior EUD optimised intensity modulated radiation therapy prostate plans.

Australasian Physical & Engineering Sciences in Medicine, 2008; 31 (4), 468-469.

2009

Vali FS, Albuquerque K, Nagda S, et al.

Developing a Library of Open Source Radiation Oncology IGoogle Gadgets: The Road to a Customizable Radiation Oncology Software Toolkit.

International Journal of Radiation Oncology* Biology* Physics. 2009; 75(3):S140.

Chang CF, Miller A, Ghose A

Mixed-Initiative Argumentation: Group Decision Support in Medicine.

In P. Kostkova (Eds.), Electronic Healthcare Second International ICST Conference, eHealth 2009 (pp. 43-50). Springer. (Publication ID=32256)

2010

Billiau G, Chang CF, Ghose A, A Miller AA.

Support-Based Distributed Optimisation: An Approach to Radiotherapy Scheduling.

Electronic Healthcare: Third International Conference, Ehealth 2010

Yu P, Gandhidasan S, Miller AA.

Different usage of the same oncology information system in two hospitals in Sydney Lessons go beyond the initial introduction.

International Journal of Medical Informatics. 2010;79(6):422-429.

Hinge K, Ghose, AK, Miller AA.
A Framework for Detecting Interactions between Co-Incident Clinical Processes
International Journal of eHealth and Medical Communications 2010; 1(2):24-35

Aly F, Miller A, Arnold A, Dixon J.
Adaptive Intensity Modulated Radiotherapy (IMRT) in Head and Neck Cancers, A Morphology Guided Approach.

Radiotherapy & Oncology 2010; 96(s1): S422
DOI: 10.1016/S0167-8140(10)80071-4

Miller A, Aly F, Arnold A, Dixon J.
Parotid changes during Morphology Guided Radiation Therapy (an adaptive approach) in Head and Neck Cancers.

Radiotherapy & Oncology 2010; 96(s1): S389
DOI: 10.1016/S0167-8140(10)80069-6

2011

Albuquerque KV, Miller AA, Roeske J.
An Automated Table Positioning Report To Enhance Patient Safety With Accurate Radiation Therapy.

International Journal of Radiation Oncology* Biology* Physics 81 2011; (2), S694

Albuquerque KV, Miller AA, Roeske J.
Implementation of Elec-

tronic Checklists in an Oncology Medical Record: Initial Clinical Experience.

Journal of Oncology Practice 2011; 7 (4), 222-226

Hardcastle N, Tomé WA, Foo K, Miller A, Carolan M, Metcalfe P.
Comparison of prostate IMRT and VMAT biologically optimised treatment plans.

Medical Dosimetry 2011; 36 (3), 292-298

Billiau G, Chang CF, Ghose A, Miller A
Support-based distributed optimisation: An approach to radiotherapy scheduling.

2011 Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering (pp. 327-334). Heidelberg, Germany: Springer.

Miller AA.

What happens when we have data?

Journal of Radiation Oncology Informatics 2011; 3 (1), 0-2

2012

Aly F, Miller A, Arnold A, Dixon J.
Is Morphology Guided Radiotherapy the future of adaptive treatment approaches?

Journal of Medical Imaging and Radiation Oncology 2012; 56(s1): 241

Miller A, Hegi-Johnson F.

Software Agents in Clinical Workflow, Clinical Guidelines and Clinical Trial Medicine.

Principles and Practice of Multi-Agent Systems, 2012, 561-574

Miller A.

Developing an ontology for radiation oncology,

MICT thesis online, 2012

<http://ro.uow.edu.au/cgi/viewcontent.cgi?article=4748&context=theses>

Gandhidasan S, Yu P, and Miller AA.

Contrasting Oncology Information System Implementations and Their Impact on the Health Care Delivery in Radiation Oncology.

International Journal of Radiation Oncology* Biology* Physics 2012, 84 (3) : S159.

2013

Eccher C, Scipioni A, Miller AA, Ferro A, Pisanelli DM.

An ontology of cancer therapies supporting interoperability and data consistency in EPRs.

Computers in Biology and Medicine 2013 43 (7), 822832

Girgis A, Delaney G, Arnold A, Miller A, Carolan M, Della-Fiorentina S, Kaadan N, Avery S, van Domburg N, Ng W, Spring K, Jacobs J, Maher A
Translating evidence into practice through the PROMPT-Care Project: Utilising patient reported outcome measures for personalised cancer treatment and care. [Poster]

15th World Congress of the International Psycho-Oncology Society, November 4 2013, Rotterdam, The Netherlands

2014

Yingzhi Gou Y, Ghose A, Chang CF, Dam HK, Miller A

Semantic Monitoring and Compensation in Socio-technical Processes

Advances in Conceptual Modeling: Lecture Notes in Computer Science Volume 8823, 2014, pp 117-126

Girgis A, Delaney G, Arnold A, Miller A, Carolan M, Della-Fiorentina S, Kaadan N, Avery S, van Domburg N, Ng W, Spring K, Van Kemenade C, Maher A

The PROMPT-Care Project: eHealth system utilising patient reported outcomes to inform personalised cancer treatment and care.

Asia-Pacific Journal of Clinical Oncology (2014) 10 21–21

Girgis A, Delaney G, Arnold A, Della-Fiorentina S, Miller A, Carolan M, Kaadan N, Avery S, van Domburg N, Spring K, Jacobs J, Maher A

Translating evidence into practice through the PROMPT-Care Project: Utilising patient reported outcome measures for personalised cancer treatment and care. [Poster]

16th World Congress of Psycho-Oncology Psychosocial Academy, October 20 2014, Lisbon, Portugal

Gandhidasan S, Yu P, Miller A.

Clinical leadership – an essential requirement for successful health information system implementation.

Health Informatics and Technology Conference, Oct 20-22nd 2014, Baltimore, USA

Gandhidasan S, Yu P, Miller A.

Critical factors for the successful implementation of oncology information systems.

2014 Combined Scientific Meeting of the Royal Australian & New Zealand College of Radiologists, Melbourne, Australia, Sept 4-7, 2014.

Gou Y, Ghose A, Dam HK, Morrison E, Miller A.

Semantic monitoring and compensation in sociotechnical processes

First International Workshop on Conceptual Modeling in Requirements and Business Analysis (MReBA), Atlanta, GA, USA, October 27-30th, 2014

Pratt J, Pandian V, Morrison E, Miller AA.

Developing a tool for Crowd-sourced Verification of a Radiation Oncology Ontology: a Summer Project.

Journal of Radiation Oncology Informatics. 2014;6(1):42-52.

Miller AA.

A Rational Informatics-enabled approach to the Standardised Naming of Contours and Volumes in Radiation Oncology Planning.

Journal of Radiation Oncology Informatics. 2014;6(1):53-70.

Schuler T, Miller AA.

PROsaiq: A Smart Device-Based and EMR-Integrated System for Patient-Reported Outcome Measurement in Routine Cancer Care.

Journal of Radiation Oncology Informatics. 2014;6(1):111-131.

Thwaites DI, Dekker A, Holloway L, Vinod S, Delaney G, Goozee G, Bailey M, Miller A

The potential impact of datamining and rapid learning in radiotherapy: a lung cancer survival decision support system in routine clinical practice

Physica Medica: European Journal of Medical Physics (2014) 30 e61-e62

2015

Girgis A, Delaney GP, Miller AA.

Utilising Ehealth to Support Survivorship Care.

Cancer Forum July 2015, 39 (2): 86-89

Sukla N, Perez P, Miller AA

An approach to plan and evaluate the location of radiotherapy services and its application in the New South Wales, Australia

Computer Methods and Programs in Biomedicine 122 (2): 2015, 245-256

doi:10.1016/j.cmpb.2015.08.005

Thwaites D, Holloway L, Bailey M, Barakat S, Carolan M, Delaney G, Field M, Dekker A, Lustberg T, Miller AA, van Soest J, Vinod S, Walsh S
SU-E-T-23: A Developing Australian Network for Datamining and Modelling Routine Radiotherapy Clinical Data and Radiomics Information for Rapid Learning and Clinical Decision Support

Medical Physics 42 (6): 3335-3336 (2015)

Girgis A, Delaney G, Arnold A, Miller A, Carolan M, Kaadan N, Cook N, Avery S, Ng W, Koh ES, Levesque J, Maher A
The PROMPT-Care Project: working towards systematic collection of patient reported health outcomes.

RANZCR Annual Scientific Conference, Adelaide 2015

Lustberg T, Bailey M, Thwaites DI, Miller A, Carolan M, Holloway L, Rios E, Dekker A, Hoebbers F, Harris J, Dignam J.

PD-0422: Validating a 2 year survival prediction model for laryngeal carcinoma patients in a clinical care and trial setting.

Radiotherapy and Oncology 2015 Jan 4;115:S205-6.

Shukla N, Wickramasuriya R, Miller AA, Perez P.

Population accessibility to radiotherapy services in New South Wales Region of Australia: a methodological contribution.

Journal of Physics: Conference Series, 2015, 616, 012004

Thwaites D, Holloway L, Bailey M, Barakat S, Carolan M, Delaney G, Field M, Dekker A, Lustberg T, Miller AA, van Soest J, Vinod S, Walsh S.

SU-E-T-23: A Developing Australian Network for Datamining and Modelling Routine Radiotherapy Clinical Data and Radiomics Information for Rapid Learning and Clinical Decision Support.

Medical Physics. 2015, 42: 3335.

doi: 10.1118/1.4924384.

2016

Lustberg T, Bailey M, Thwaites DI, Miller AA, Carolan C, Holloway L, Velazquez ER, Hoebbers F, Dekker A.

Implementation of a rapid learning platform: Predicting 2 year survival in laryngeal carcinoma patients in a clinical setting.

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Comparing methods for volumetric computation for an image recognition algorithm for photography-based food record dietary assessment

AUD\$10,000

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Staff Specialist Trust Fund (Radiation Oncology) ISLHD

Centre for Oncology Informatics: Research Fellow, 2013-2015

AUD\$400,000

Miller A, Ghose A

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AUD\$75,000

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MQ - Clinician Dashboard pilot, 2015-2016

AUD\$60,000

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