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### **ACADEMIC APPOINTMENTS**

1982-1985 Instructor, Rush-Presbyterian St. Luke's Medical Center, Chicago, IL  
1985-1986 Instructor, Radiation & Cellular Oncology, University of Chicago Medical Center, Chicago, IL  
1986-1993 Assistant Professor, Radiation & Cellular Oncology, University of Chicago Medical Center, Chicago, IL  
1993- Associate Professor, Radiation & Cellular Oncology, University of Chicago Medical Center, Chicago, IL

### **HOSPITAL APPOINTMENTS**

1985- Attending Radiation Oncologist, University of Chicago Hospital, Chicago, IL  
1985-2001 Associate Attending, Michael Reese Hospital, Chicago, IL  
1988-2001 Consultant, Weiss Memorial Hospital, Chicago, IL (resigned)  
1988-2009 Medical Director of Radiation Oncology, LaGrange Memorial Treatment Pavilion, LaGrange, IL  
1993- Consultant, University of Illinois Medical Center, Chicago, IL  
2009-2010 Interim Director of Radiation Oncology, University of Illinois Medical Center, Chicago, IL  
2010- Medical Director of Radiation Oncology, Sherman Hospital, Elgin, IL

### **ACADEMIC TRAINING**

1975-1978 B.S., Biology, Loyola University Chicago, Chicago, IL  
1978-1981 M.D., Loyola University Stricth School of Medicine, Maywood, IL  
1981-1982 Flexible Internship, Henry Ford Hospital, Detroit, MI  
1982-1985 Residency, Therapeutic Radiology, Rush-Presbyterian St. Luke's Medical Center, Chicago, IL  
1984-1985 Chief Resident, Therapeutic Radiology, Rush-Presbyterian St. Luke's Medical Center, Chicago, IL

### **BOARD CERTIFICATION AND LICENSURE**

1982 Diplomat, National Board of Medical Examiners, I.D. #257445  
1983 Licensed, Physician and Surgeon, State of Illinois, #036-065175  
1985 Certification, American Board of Radiology, Therapeutic Radiology

## SCHOLARSHIP

(a) Peer-reviewed publications in the primary literature, exclusive of abstracts:

1. Chen GT, Peizarri CA, Spelbring DR, Awan A. 1987. Evaluation of Treatment Plans using Dose Volume Histograms. *Front Radiat Ther Oncol* 21: 44-55
2. Jacobs RH, Awan AM, Bitran JD, Hoffman PC, et al. 1987. Prophylactic Cranial Irradiation in Adenocarcinoma of the Lung: A Possible Role. *Cancer* 59:12, 2016-2019.
3. Vokes EE, Panje WR, Weichselbaum RR, Schilsky RL, Moran WJ, Awan AM, Guarnieri CM. 1988. Concomitant Hydroxyurea, 5-Fluorouracil and Radiation Therapy for Recurrent Head and Neck Cancer: Early Results. *Otolaryngology-Head and Neck Surgery* 98:295-298.
4. Weichselbaum RR, Beckett MA, Simon MA, McCauley C, Haraf D, Awan AM, Samuels B, Nachman J, Dritschilo A. 1988. In Vitro Radiobiological Parameters of Human Sarcoma Cell Lines. *Int. J. Rad. Oncol. Bio. Phys.* 15:937-942.  
<http://www.sciencedirect.com/science/article/pii/0360301688901290>
5. Vokes EE, Moran WJ, Awan AM, Schilsky RL, et al. 1988. Sequential Administration of Methotrexate, Cisplatin, and 5-Fluorouracil in Multimodal Therapy for Locally Advanced Head and Neck Cancer. *NCI Monograph*, pp. 353-356. Conference on the Interaction of Radiation Therapy and Chemotherapy, Williamsburg, VA.
6. Hallahan DE, Michel AG, Awan AM, Halpern HJ, Desser R, Bitran J, Recant W, Wyman B, Spelbring DR, Weichselbaum RR. 1989. Breast Conserving Surgery and Definitive Irradiation for Early Stage Breast Cancer. *Int. J. Radiat. Oncol. Bio. Phys.* 17:1211-1216.  
<http://www.sciencedirect.com/science/article/pii/0360301689905282>
7. Vokes EE, Panje WR, Schilsky RL, Mick R, Awan AM, Moran WJ, Goldman MD, Tybor AG, Weichselbaum RR. 1989. Hydroxyurea, Fluorouracil, and Concomitant Radiotherapy in Poor-Prognosis Head and Neck Cancer: A Phase I-II Study. *J. Clin. Oncol.* 7:761-768.  
<http://jco.ascopubs.org/content/7/6/761.long>
8. Weichselbaum RR, Beckett MA, Vijayakumar S, Simon MA, Awan AM, Nachman J, Panje WR, Goldman ME, Tybor AG, Moran WJ, Vokes EE, Ahmed-Swan S, and Farhangi EA. 1990. Radiobiological Characterization of Head and Neck and Sarcoma Cells Derived from Patients Prior to Radiotherapy. *Int. J. Radiat. Oncol. Biol. Phys.*, 19:313-319.  
<http://www.sciencedirect.com/science/article/pii/036030169090539V>
9. Awan AM, and Weichselbaum RR. 1990. Palliative Radiotherapy; Non-Small Cell Lung Cancer. *Hematol. Clin. North Am.* 4:1169-1181.
10. Farah R, Chodak GW, Vogelzang NJ, Awan AM, Quiet CA, Moormeier J, Schoenberg H, and Weichselbaum RR. 1991. Curative Radiotherapy Following Chemotherapy for Invasive Bladder Carcinoma. *Int. J. Radiat. Oncol. Biol. Phys.*, 20:413-417.  
<http://www.sciencedirect.com/science/article/pii/036030169190050E>
11. Awan AM, Vokes EE, and Weichselbaum RR. 1991. Recent Advances in Radiation Therapy for Head and Neck Cancer. *Hematol. Clin. North Am.* 5:635-655.
12. Vokes EE, Awan AM, and Weichselbaum RR. 1991. Radiotherapy with Concomitant Chemotherapy for Head and Neck Cancer. *Hematol. Clin. North Am.*

5:753-767.

13. Vijayakumar S, Low N, Chen GTY, Myriantopoulos LC, Culbert H, Chiru P, Spelbring D, Awan AM, Rosenberg I, Halpern H, and Weichselbaum RR. 1991. Beam's Eye View Based-Photon Radiotherapy. *Int. J. Radiat. Oncol. Biol. Phys.* 21:1575-1588.  
<http://www.sciencedirect.com/science/article/pii/0360301691903352>
14. Vijayakumar S, Karrison T, Weichselbaum RR, Chan S, Quadri SF, and Awan AM. 1992. Racial Differences in Prostate Specific Antigen Levels in Patients with Local-Regional Prostate Cancers. *Cancer Epidemiol Biomark Prev.* 1:541-545. <http://cebp.aacrjournals.org/content/1/7/541.long>
15. Vijayakumar S, Awan AM, Karrison T, Culbert H, Chan S, Kolker J, Low N, Halpern H, Rubin S, Chen GTY. 1993. Acute Toxicity During External Beam Radiotherapy for Localized Prostate Cancer: Comparison of Different Techniques. *Int. J. Radiat. Oncol. Biol. Phys.* 25:359-371.  
<http://www.sciencedirect.com/science/article/pii/036030169390361X>
16. Vogelzang NJ, Moormeier JA, Awan AM, et al. 1993. Methotrexate, Vinblastine, Doxorubicin and Cisplatin Followed by Radiotherapy or Surgery for Muscle Invasive Bladder Cancer: The University of Chicago Experience. *J. Urol.* 149:753-757.
17. Vijayakumar S, Roach M, Wara W, Chan SK, Ewing C, Rubin S, Sutton H, Halpern H, Awan AM, Houghton A, et al. 1993. Effect of Subcutaneous Recombinant Human Erythropoietin in Cancer Patients Receiving Radiotherapy: Preliminary Results of a Randomized, Open Labelled, Phase II Trial. *Int. J. Radiat. Oncol. Biol. Phys.* 26:721-729.  
<http://www.sciencedirect.com/science/article/pii/036030169390299B>
18. Vijayakumar S, Karrison T, Quadri SF, Chan SK, Haraf D, Pandya K, Houghton A, Rubin S, Kalokhe, Halpern H, Muller-Runkle R, Sutton H, Awan A, Weichselbaum RR. 1994. Localized Prostate Cancer: Use of Serial Prostate-Specific Antigen Measurements During Radiation Therapy - An Update. *Onkologie* 17:578-585.
19. Mundt AJ, Awan AM, Sibley GS, Simon M, Rubin SJ, Samuels B, Wong W, Beckett M, Vijayakumar S, Weichselbaum RR. 1995. Conservative Surgery and Adjuvant Radiation Therapy in the Management of Adult Soft Tissue Sarcoma. Clinical and Radiobiological Results. *Int. J. Radiat. Oncol. Biol. Phys.* 32:977-985.  
<http://www.sciencedirect.com/science/article/pii/036030169500111B>
20. Yang FE, Vaida F, Ignacio L, Awan AM, Culbert H, Nautiyal J, Kolker J, Sutton H, Halpern HJ, Weichselbaum RR, Chen CTY, Vijayakumar S. 1996. Acute Toxicity in Radiotherapy of Prostate Cancer: Results of a Randomized Study with and without Beam's-Eye-View Three-Dimensional Conformal Therapy. *Radiat Oncol Invest.* 4:231-238.
21. Mantz CA, Song P, Farhangi E, Nautiyal J, Awan AM, Ignacio L, Weichselbaum R, Vijayakumar S. 1997. Potency Probability Following Conformal Megavoltage Radiotherapy Using Conventional Doses for Localized Prostate Cancer. *Int. J. Radiat. Oncol. Biol. Phys.* 37:551-557.  
<http://www.sciencedirect.com/science/article/pii/S036030169600555X>
22. Mantz CA, Nautiyal J, Awan A, Kopnick M, Ray P, Kandel G, Niederberger C, Ignacio L, Dawson E, Fields R, Weichselbaum RR, Vijayakumar S. 1999. Potency Preservation Following Conformal Radiotherapy for Localized Prostate Cancer: Impact of Neoadjuvant Androgen Blockade, Treatment Technique and Patient-Related Factors. *Cancer J Sci Am.* 5(4);230-236.

23. Jani AB, Chen M-H, Vaida F, Ignacio L, Awan AM, Weichselbaum RR, Vijayakumar S. 1999. PSA-Based Outcome Analysis Following Radiation Therapy for Prostate Cancer: A New Definition of Biochemical Failure after Intervention. *Urology* 54(4):700-705.  
<http://www.sciencedirect.com/science/article/pii/S0090429599002290>
24. Chung TDK, Park II, Ignacio L, Catchatourian R, Kopnick M, Davison E, Conrad G, Awan AM, Crawford D and Vijayakumar S. 2000. Television and News Print Media are Effective in Educating Potential Participants in a Prostate Cancer Chemoprevention Trial. *Int. J Cancer*: 90, 302-304.  
[http://onlinelibrary.wiley.com/doi/10.1002/1097-0215\(20001020\)90:5%3C302::AID-IJC8%3E3.0.CO;2-N/abstract](http://onlinelibrary.wiley.com/doi/10.1002/1097-0215(20001020)90:5%3C302::AID-IJC8%3E3.0.CO;2-N/abstract)
25. Connell PP, Ignacio L, Haraf D, Awan AM, Halpern H, Abdalla I, Nautiyal J, Jani AB, Weichselbaum RR, Vijayakumar S. 2001. Equivalent Racial Outcome After Conformal Radiotherapy for Prostate Cancer: A Single Departmental Experience. *J Clin Oncol.* 19; 1:54-61.  
<http://jco.ascopubs.org/content/19/1/54.long>
26. Jani AB, Vaida F, Hanks G, Asbell S, Sartor O, Moul JW, Roach III M, Brachman D, Kalokhe U, Muller-Runkel R, Ray P, Ignacio L, Awan A, Weichselbaum RR, Vijayakumar S. 2001. Changing Face and Different Countenances of Prostate Cancer: Racial and Geographic Differences in Prostate-specific Antigen (PSA), Stage, and Grade Trends in the PSA Era. *Int. J. Cancer (Radiat. Oncol. Invest)*: 96, 363-371.  
<http://onlinelibrary.wiley.com/doi/10.1002/ijc.1035/abstract>
27. Abdalla I, Ignacio L, Vaida F, Mei-Hsu, Awan A, Jani A, Mamo C, Weichselbaum RR, Vijayakumar S. Evolution of toxicity after conformal radiotherapy for prostate cancer. *Prostate Cancer Prostatic Dis.* 2002;5(4):296-303.  
<http://www.nature.com/pcan/journal/v5/n4/full/4500608a.html>
28. Jani AB, Blend MJ, Hamilton R, Brendler C, Pelizzari C, Krauz L, Sapra B, Vijayakumar S, Awan A, Weichselbaum RR. Radioimmunosintigraphy for postprostatectomy radiotherapy: analysis of toxicity and biochemical control. *J Nucl Med.* 2004 Aug;45(8):1315-22.  
<http://jnm.snmjournals.org/content/45/8/1315.long>
29. Jani AB, Blend MJ, Hamilton R, Brendler C, Pelizzari C, Krauz L, Vijayakumar S, Sapra B, Awan A, Weichselbaum RR. Influence of radioimmunosintigraphy on postprostatectomy radiotherapy treatment decision making. *J Nucl Med.* 2004 Apr;45(4):571-8.  
<http://jnm.snmjournals.org/content/45/4/571.long>
30. Patel P, Aydogan B, Koshy M, Mahmud D, Oh A, Saraf SL, Quigley JG, Khan I, Sweiss K, Mahmud N, Peace DJ, DeMasi V, Awan AM, Weichselbaum RR, Rondelli D. 2014. Combination of Linear Accelerator Based Intensity Modulated Total Marrow Irradiation and Myeloablative Fludarabine/Busulfan: A Phase I Study. *Biol Blood Marrow Transplant.* 20(12):2034-41.

(b) Peer-reviewed works in 'non-traditional' outlets: None

(c) Peer-reviewed works accepted or in press: None

(d) Non-peer-reviewed original articles

1. Chen GTY, Kessler M, Pelizzari CA, Spelbring DR, Awan AM., 1986. Selected Advances in Radiotherapy Treatment Planning, Varian Users Group Meeting Proceeding, Marco Island.
2. Chen GTY, Spelbring DR, Pelizzari CA, Awan AM. 1988. A Computer Simulated Evaluation of Multivane Collimator Beam Delivery Systems in Irradiation of Lung Tumors. Varian Users Group Meeting Proceedings, pp. 48- 50.
- 3 Vokes EE, Weichselbaum RR, Moran WJ, Awan AM, Tybor AG, Goldman ME, Schilsky RL, Bitran JD, Barker CM, Scher N, Panje WR. 1988. A Randomized Study Comparing Two Regimens of Induction Chemotherapy for Locally Advanced and Neck Cancer. Neoadjuvant Chemotherapy, Ed. Jacquillat CL, Weil M, D. Khayat Colloque INSERM/John Libbey Eurotext Ltd., Vol. 169, pp. 309-313, 1988.

(e) Books: None

(f) Book chapters:

1. Awan AM, Weichselbaum RR, Addington WW. 1986. Radiation Pneumonitis. In: Current Therapy of Respiratory Disease - 2. R.R. Cherniac, Editor, pp. 183-187.
2. Chen GTY, Pelizzari CA, Spelbring DA, Awan AM. 1987. Evaluation of Treatment Plans with Dose Volume Histograms. In: Treatment Planning in Radiation Therapy of Cancer, pp. 44-55, J. Vaeth, Editor, Karger Basel.
3. Chen GTY, Pelizzari CA, Spelbring DA, Awan AM, Weichselbaum RR. 1987. Evaluation of Lung Treatment Plans with Dose Volume Histograms. In: Computers in Radiotherapy. A.D. Bruinvis, et al., (Editors), pp. 165-168, Elsevier Science, B.V., North Holland.
4. Spelbring D, Chen GTY, Pelizzari CA, Awan AM. 1987. Analysis of Dose Advantages of Multivane Collimators in Therapy. In: Use of Computers in Radiation Therapy, A.D. Bruinvis, et al., (Editors), pp. 153-156, Elsevier Science, B.V., North Holland.
5. Weichselbaum RR, Awan AM. 1988. Principles of Radiation Oncology. In: Lung Cancer A Comprehensive Treatise. Jacob D. Bitran, Harvey M. Golomb, Alex S. Little, Ralph R. Weichselbaum (Eds.), pp. 61-70, Grune & Stratton, Inc., and Harcourt Brace Jovanovich.
6. Awan AM, Weichselbaum RR, Chen GTY. 1988. Radiation Therapy in Stage I Non-small Cell Lung Cancer. In: Lung Cancer: A Comprehensive Treatise, Jacob D. Bitran, Harvey M. Golomb, Alex S. Little, Ralph R. Weichselbaum (Eds.), pp. 149-157, Grune & Stratton, Inc., and Harcourt Brace Jovanovich.
7. Awan AM, Weichselbaum RR. 1988. The Role of Radiation Therapy in Stage III M1 Non-small Cell Cancer. In: Lung Cancer: A Comprehensive Treatise, Jacob D. Bitran, Harvey M. Golomb, Alex S. Little, and Ralph R. Weichselbaum, (Eds.), pp. 243-253, Grune & Stratton Inc., and Harcourt Brace Jovanovich.
8. Vokes EE, Weichselbaum RR, Moran WJ, Awan AM, Tybor AG, Goldman ME, Schilsky RL, Bitran JD, Barker CM, Scher N, Panje WR. 1988. A Randomized Study Comparing Two Regimens of Induction Chemotherapy for Locally Advanced Head and Neck Cancer. In: Neoadjuvant Chemotherapy, Jacquillat CL, Weil M, D. Khayat Colloque (Eds.), Vol. 169, pp. 309-313, INSERM/John Libbey Eurotext Ltd.
9. Awan AM, Vokes EE, Weichselbaum RR. 1989. Advances in Radiation Oncology in the Treatment of Head and Neck Tumors. In: Advances in Otolaryngology-Head & Neck Surgery, Myers, E.N. (Ed.), Volume III. pp.257-288, Yearbook Med. Publishers, Inc.

10. Getty PJ, Awan AM, Peabody TD. 2002. Metastatic disease of the distal femur. In: Management of metastatic disease to the musculoskeletal system, Heiner JP, Kinsella TJ, Zdeblick TA (Eds.), pp. 459-468, Quality Medical Publishing.

(f) Other works that are publically available (websites, interviews, publications in the popular press, testimony, computer programs, protocols, reagents, inventions, patents not listed above, etc.): None

(g) Clinical trials that are ongoing and unpublished: None

(j) Works in review, in preparation, etc. not yet publically available [list ONLY if available for BSD review]: None

**FUNDING:** None

(a) Past:

(b) Current:

(c) Pending:

#### **HONORS, PRIZES, AND AWARDS**

1978	Magna Cum Laude, Loyola University Chicago, Chicago, IL
1997	Outstanding Teacher of the Year, Department of Radiation and Cellular Oncology, University of Chicago
2001	Chicago Metro Area Top Doctors. Castle Connolly Medical Ltd.
2002	Chicago Metro Area Top Doctors. Castle Connolly Medical Ltd.
2003	Chicago Metro Area Top Doctors. Castle Connolly Medical Ltd.
2010	America's Top Doctors, 9 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2010	America's Top Doctors For Cancer, 6 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2011	America's Top Doctors, 10 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2011	America's Top Doctors For Cancer, 7 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2012	America's Top Doctors, 11 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2012	Chicago Magazine - Top Doctors. Castle Connolly Medical Ltd.
2012	America's Top Doctors For Cancer, 8 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2013	America's Top Doctors, 12 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2013	Physician Pillar of Excellence Award. Sherman Hospital, Elgin IL.
2013	America's Top Doctors For Cancer, 9 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2014	America's Top Doctors, 13 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2014	Chicago Magazine – Top Doctors. Castle Connolly Medical Ltd.
2014	America's Top Doctors For Cancer, 10 <sup>th</sup> Edition. Castle Connolly Medical Ltd.
2015	America's Top Doctors, 14 <sup>th</sup> Edition. Castle Connolly Medical Ltd.

#### **PROFESSIONAL SOCIETIES**

Elected or invited membership:

American Society of Therapeutic Radiology and Oncology

American Society for Clinical Oncology

American College of Radiation Oncology