

**AAPM 49th Annual Meeting
July 22-26, 2007
Minneapolis Convention Center
Minneapolis, Minnesota**



BOOTH #629 • PRESENTATION SCHEDULE

Sunday – Tuesday

Every hour on the hour

TomoTherapy® Hi-Art® Treatment System Overview

TomoTherapy Inc. Clinical Applications Staff

Sunday

1:30 – 2:00

TomoTherapy for Cranial Radiosurgery/Radiotherapy

Tewfik J. Bichay, PhD, Director of Physics
The Lacks Cancer Center at Saint Mary's,
Grand Rapids, Michigan

2:30 – 3:00

Exploring the Limits of a Tomo-only Site

Jeff Limmer, MS, Chief Medical Physicist
UW Cancer Centers: Wausau and Wisconsin
Rapids, Wisconsin

Monday

10:30 – 11:00

TBA

Jay Burmeister, PhD, Director, Medical Physics
Graduate Programs
Barbara Ann Karmanos Cancer Institute, Detroit,
Michigan

11:30 – 12:00

Bringing TomoTherapy Live in the Community Hospital Setting

Hui Li, PhD, Chief Medical Physicist
Hall Radiation Center, Mercy Medical Center,
Cedar Rapids, Iowa

1:30 – 2:00

Implementation of Machine and Patient QA for a New TomoTherapy Site

Niko Papanikolaou, PhD, Professor and Director
of Medical Physics
Cancer Therapy & Research Center, San
Antonio, Texas

2:30 – 3:00

Validate and Treat (Not Just Prostates)

Brent D. Murphy, MS, DABR, Senior Medical
Physicist
Goshen Health System, Center for Cancer Care,
Goshen, Indiana

Tuesday

11:30 – 12:00

Complex Rapid Palliation with TomoTherapy

Miller MacPherson, PhD, Senior Medical
Physicist
The Ottawa Hospital Regional Cancer Centre,
Ottawa, Ontario

1:30 – 2:00

TomoTherapy for Superficial Tumors

John Gibbons, Jr., PhD, Chief of Clinical Physics
Mary Bird Perkins Cancer Center, Baton Rouge,
Louisiana

TOMOTHERAPY – FOCUSED ABSTRACTS

TH-C-AUD-9

A Proposal for a Novel Compact Intensity Modulated Proton Therapy System Using a Dielectric Wall Accelerator - T Mackie^{*1,2}, G Caporaso³, S Sampayan³, Y Chen³, D Blackfield³, J Harris³, S Hawkins³, C Holmes³, S Nelson³, A Paul³, B Poole³, M Rhodes³, D Sanders³, J Sullivan³, L Wang³, J Watson³, P Reckwerdt², R Schmidt², D Pearson², R Flynn¹, D Matthews⁴, J Purdy⁴, (1) U Wisconsin, Madison, WI, (2) TomoTherapy Inc, Madison, WI, (3) Lawrence Livermore National Laboratory, Livermore, CA, (4) University of California - Davis, Sacramento, CA

SU-FF-J-53

Evaluation of Image-Guidance Strategies in the Treatment of Localized Prostate Cancers - C Lee*, P Kupelian, K Langen, O Zeidan, S Meeks, M. D. Anderson Cancer Center Orlando, Orlando, FL

SU-FF-J-106

Comparison of Image Guided Radiotherapy Technologies: Tomotherapy, Varian Trilogy and Elekta Synergy - R. Varadhan^{**1}, S Hui², D Roback³, (1)Minneapolis Radiation Oncology, Robbinsdale, MN, (2)Univ Minnesota, Minneapolis, MN, , (3) Maplewood Cancer Center, Maplewood, MN

SU-FF-T-216

Evaluation of Mid-Treatment Tumor Motion for Hypo-Fractionated Lung Radiosurgery Using Hi-Art TomoTherapy System - S Jang*, H Wu, P Sourivong, S Katz, L Rosen, Willis-Knighton Cancer Center, Shreveport, LA

SU-FF-T-254

IMRT – Tomotherapy Vs Conventional Linear Accelerator - P Ku*, J Pino-y-Torres, S Chang, H Hsieh, J McKeague, Upper Delaware Valley Cancer Center, Milford, PA, Sparta Cancer Center, Sparta, NJ, Northeast Radiation Oncology, Dunmore, PA

TH-E-M100J-6

Parotid Dose Deviation Related to Parotid Volume Reduction During Radiation Therapy: An Analysis Based On TomoTherapy Adaptive Tool - K Sheng*¹, G Hunt¹, J Cai¹, J Chow¹, J Larner¹, S Benedict¹, P Read¹, K Ruchala², W Lu², G Olivera^{2,3}, (1) University of Virginia Health Systems, Charlottesville, VA, (2) TomoTherapy Inc., Madison, WI, (3) UW - Medical Radiation Research Center, Madison, WI

WE-C-M100F-9

Dosimetric Comparison of Linac-IMRT and Helical Tomotherapy (HT) for Head and Neck Cancer - X Zhang*, J Penagaricano, E Moros, P Corry, A Ivy, Y Yan, E Youssef, V Ratanatharathorn, University of Arkansas Medical Science, Little Rock, AR

WE-D-BRA-2

Helical Tomotherapy Experience - C Ramsey*, Thompson Cancer Survival Center, Knoxville, TN

MO-D-AUD-8

Dose Verification at the Surface of Air Cavities During Radiation Therapy Using the TomoTherapy Hi-Art System Schoen*, B Gerbi, , Minneapolis, MN, University of Minnesota, Minneapolis, MN

MO-D-L100J-5

A Semi-Manual Contouring Method in TCS Views - Q Chen*¹, W Lu¹, M Chen¹, K Ruchala¹, G Olivera^{1,2}, (1) TomoTherapy Inc., Madison, WI, (2) UW - Medical Radiation Research Center, Madison, WI

MO-D-M100F-2

Latest Clinical Development for GU - P Kupelian*, MD Anderson Cancer Center Orlando, Orlando, FL

SU-DD-A2-4

Validation of the Mechanical Systems for a Tomotherapy Hi-Art Unit - D Pavord*, West Penn Allegheny Health System, Pittsburgh, PA

SU-DD-A3-2

Automatic Detection of Positional and Anatomical Setup Errors in CT-Based Image Guided Radiation Therapy - B Robison*, R Seibert, C Ramsey, Thompson Cancer Survival Center, Knoxville, TN

SU-EE-A1-6

Helical Tomotherapy Planning for Left-Sided Breast Cancer Patients with Positive Lymph Nodes: Compared to Conventional Multi-Port-Breast Technique - S Goddu*, S Chaudhari, D Pratt, D Khullar, S Mutic, I Zoberi, S Powell, D Low, Washington University, St. Louis, MO, Washington University School of Medicine, St. Louis, MO, WUSTL, Saint Louis, MO, Mallinckrodt Inst of Radiology, Saint Louis, MO, Washington University, Saint Louis, MO

SU-FF-J-3

Real Time Motion Adaptive Delivery—Experimental Validation - C Mauer*, W Lu, D Lucas, J Zhang, G Olivera, K Ruchala, TomoTherapy Inc., Madison, WI

SU-FF-J-7

Real Time Motion Adaptive Delivery—II. Tomotherapy - W Lu*, Q Chen, M Chen, K Ruchala, G Olivera, TomoTherapy, Inc., Madison, WI

SU-FF-J-15

Onboard CT Imaging Quality and Its Effect On Online Patient Positioning Correction On TomoTherapy and Elekta Synergy Platforms - C Wu*, T Liu, F Guo, J Purdy, University of California-Davis, Sacramento, CA, UC Davis Medical Center, Sacramento, CA

SU-FF-J-20

A Decision Strategy for Re-Optimization in Adaptive Radiotherapy - M Chen*¹, W Lu¹, Q Chen¹, K Ruchala¹, G Olivera^{1,2}, (1)TomoTherapy Inc, Madison, WI, (2) UW - Medical Radiation Research Center, Madison, WI

SU-FF-J-52

A Quantitative Assessment of the Improvement in Treatment Setup Accuracy with IGRT in TomoTherapy - T Bichay*¹, J Meadows¹, H Tran², A Nash², C Chen¹, (1) Lacks Cancer Center at St. Mary's Health Care, Grand Rapids, MI, (2) Michigan State University College of Human Medicine, East Lansing, Michigan.

SU-FF-J-59

Evaluation of Daily Tumor Localization Shifts in the H&N Region Based On Bony Anatomy and Soft-Tissue Implanted Markers - O Zeidan*, P Kupelian, K Langen, R Manon, S Meeks, M.D. Anderson Cancer Ctr Orlando, Orlando, FL

SU-FF-J-69

A Unified Framework for Planning Uncertainty and Delivery Uncertainty in Inverse Planning - Q Chen*¹, W Lu¹, M Chen¹, K Ruchala¹, G Olivera^{1,2}, (1) TomoTherapy Inc., Madison, WI, (2) UW - Medical Radiation Research Center, Madison, WI

SU-FF-J-91

Assessment of Setup and Internal Margin in the Treatment of Rectum Cancer Patients On Helical Tomotherapy - K Tournel*¹, M De Ridder¹, B Engels², D Verellen¹, N Linthout¹, M Duchateau¹, Y Fierens¹, T Reynders¹, G Storme¹, (1) Radiotherapy -Oncology Center UZ Brussel, Brussels, BE, (2) Radiotherapy Department Ghent University Hospital, Gent, BE

SU-FF-J-108

Dose Variation of Critical Structures in Daily Treatment of Nasopharyngeal Cancer Patients Using Helical Tomotherapy Megavoltage CT System - C Han*, Y Chen, A Liu, T Schultheiss, J Wong, City of Hope National Medical Center, Duarte, CA

SU-FF-J-114

Dosimetric Effects of Image Quality in a TomoTherapy MVCT Dataset - R Hesston^{*1}, J Gibbons^{1,2}, D Cheek², (1) Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA, (2) Mary Bird Perkins Cancer Center, Baton Rouge, LA

SU-FF-T-8

A Comparison of EBT Radiochromic and EDR2 Radiographic Films for Tomotherapy Treatments Dose Verification - M Avanzo^{*}, C Cappelletto, E Capra, A Dassie, A Drigo, S Ren Kaiser, G Sartor, Centro di Riferimento Oncologico, Aviano, PN, IT

SU-FF-T-44

A Simplified PC-Based Helical Tomotherapy Planning System - R Shaw^{*}, M Kao, K Steidley, D Xu, Saint Barnabas Medical Center, Livingston, NJ

SU-FF-T-66

An Assessment of the Use of Skin Flashes in Helical Tomotherapy Using Phantom and In-Vivo Dosimetry - K Tournel^{*}, D Verellen, N Linthout, M Duchateau, T Reynders, Y Fierens, M Voordeckers, G Storme, Radiotherapy Department, Oncology Center, UZ Brussel, Brussels, BE

SU-FF-T-69

An Independent Delivery Quality Assurance Calculation for the Tomotherapy Linac - M Woo^{*1}, C Ramsey², R Seibert², (1)Toronto Sunnybrook Regional Cancer Ctr, Toronto, ON, (2)Thompson Cancer Survival Center, Knoxville, TN

SU-FF-T-101

Characterizing Output for a Static TomoTherapy Field - J Gibbons^{*1,2}, K Smith², R Hesston², (1) Mary Bird Perkins Cancer Center, Baton Rouge, LA, (2) Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA

SU-FF-T-118

Comparison of Calculated and Measured Superficial Depth Doses for Static TomoTherapy Beams - K Smith^{*1}, J Gibbons^{1,2}, K Hogstrom^{1,2}, Louisiana State University, Baton Rouge, LA, Mary Bird Perkins Cancer Center, Baton Rouge, LA

SU-FF-T-121

Comparison of Gafchromic EBT Film with EDR2 Film in TomoTherapy Delivery QA - K. K. Jeong^{*}, Y. N. Kim, J. Y. Kim, Yonsei University College of Medicine, Seoul, KR

SU-FF-T-122

Comparison of Helical Tomotherapy to SMLC IMRT for Treatment of Parotid Gland Tumors - T Lee^{*1}, I Rosen^{1,2}, R Fields¹, K Hogstrom^{1,2}, (1) Mary Bird Perkins Cancer Center, Baton Rouge, LA, (2) Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA

SU-FF-T-130

Conformal Avoidance and Helical Tomotherapy: Utility in Craniospinal Radiation - M Tomblyn^{*}, S Hui, K Dusenbery, University of Minnesota, Minneapolis, MN

SU-FF-T-175

Dosimetric Effect of Rotational Variation On Helical Tomotherapy Treatment Plans - R Staton^{*}, K Langen, A Shah, S Meeks, P Kupelian, M.D. Anderson Cancer Center Orlando, Orlando, FL

SU-FF-T-203

Evaluation and Performance Characteristics of An Implantable Dosimeter with the TomoTherapy Hi-Art System - C Esquivel^{*1,2}, P Rassiah^{1,2}, G Beyer³, C Childress³, N Papanikolaou^{1,2}, (1)Cancer Therapy and Research Center, San Antonio, TX, The University of Texas Health Science Center at San Antonio, San Antonio, TX ,(3)Sicel Technologies, Inc., Tampa, FL

SU-FF-T-213

Evaluation of Dose From TomoTherapy Irradiation of Superficial PTVs - D Cheek^{*1}, K Hogstrom^{1,2}, J Gibbons^{1,2}, I Rosen^{1,2}, (1) Mary Bird Perkins Cancer Center, Baton Rouge, LA, (2) Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA

SU-FF-T-217

Evaluation of the Dosimetric Accuracy of a Commercial Adaptive Radiotherapy Process - R Hesston^{*1}, J Gibbons^{1,2}, D Cheek², (1) Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA, (2) Mary Bird Perkins Cancer Center, Baton Rouge, LA

SU-FF-T-243

Impact of Intra-Fractional Tumor Motion for Hypo-Fractionated Lung Radiosurgery Using Hi-Art TomoTherapy System - H Wu^{*}, P Sourivong, S Jang, S Katz, J Massey, L Rosen, Willis-Knighton Cancer Center, Shreveport, LA

SU-FF-T-261

Independent Point Dose Verification Using TomoTherapy Quality Assurance Phantom - D Cheek^{*1}, K Hogstrom^{1,2}, C Robertson², I Rosen^{1,2}, J Gibbons^{1,2}, (1) Mary Bird Perkins Cancer Center, Baton Rouge, LA, (2) Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA

SU-FF-T-275

Invitro Dose and Dose Rate Feasibility Study for Effective Tomotherapy TMI Treatment - K Terai^{*}, S Hui, R Griffin, C Song, University of Minnesota, Minneapolis, MN

SU-FF-T-294

Modeling of Tomotherapy Delivery to Predict Dose Errors Due to Tumor Motion in Lung - D Rangaraj^{*}, S Chaudhari, S Goddu, D Low, Washington University Saint Louis, Saint Louis, MO, Washington University School of Medicine, St. Louis, MO, Washington University, St. Louis, MO, Washington University, Saint Louis, MO

SU-FF-T-312

Motion in Tomotherapy: Some Dosimetric Observations - A. W. Lightstone^{*}, M. Woo, M. Skinner, P.F. O'Brien, Y.C. Ung, M.R. Dahele, J.A. Spayne, Toronto Sunnybrook Regional Cancer Centre, Toronto, ON, Canada

SU-FF-T-354

Predictive Analysis of Target Wear for a TomoTherapy Unit - C Shi^{*}, S Stathakis, C Eller, N Papanikolaou, Cancer Therapy & Research Center, San Antonio, TX

SU-FF-T-365

Quality Assurance for Helical Tomotherapy System and the Mechanical Stability - Y Takahashi^{*1}, I Sumida², N Yamamoto³, H Asano³, S Furukawa³, Y Uchiyama⁴, T Yamashita¹, M Matsuo³, Japanese Foundation for Cancer Research, Tokyo, , Osaka University Graduate School of Medicine, Suita, Osaka, JP, Kizawa Memorial Hosp., Gifu, , JP, Kizawa Memorial Hosp., Gifu, , JP, Gifu Univ of Medical Science, Gifu, , JP, Kizawa Memorial Hosp., Gifu, , JP, Kizawa Memorial Hosp., Gifu, , JP

SU-FF-T-381

Skin Dose Determination for Helical and Serial Tomotherapy and MLC Based IMRT - T Roland^{*1,2}, C Ramer^{1,2}, P Rassiah^{1,2}, K Nicol¹, S Stathakis^{1,2}, C Shi^{1,2}, N Papanikolaou^{1,2}, (1)Cancer Therapy & Research Center, San Antonio, TX, (2)University of Texas HSC at San Antonio, San Antonio, TX

SU-FF-T-417

The Use Radichromic Film for Tomotherapy IMRT Dosimetric Verification - J Turian*, G Khelashvili, J Chu, Rush University Medical Center, Chicago, IL, Illinois

SU-FF-T-420

Tomotherapy as a Solution to Minimize Dose to Critical Structures in Previously Irradiated Areas - P Ku*, J Pino-y-Torres, H Hsieh, S Chang, W Chen, Northeast Radiation Oncology, Dunmore, PA, Upper Delaware Valley Cancer Center, Milford, PA, Sparta Cancer Center, Sparta, NJ, Newark Beth Israel Medical Ctr., NJ

SU-FF-T-421

Tomotherapy Patient-Specific Quality Assurance - S Chaudhari*, S Goddu, S Mutic, J Grigsby, D Low, Washington University, St. Louis, MO

SU-FF-T-426

Treatment Planning Comparison of Dynamic Multileaf Collimation and Helical Tomotherapy for Spinal Cord Sparing in Head and Neck Re-Irradiation - R Popple*, I Brezovich, J Duan, S Spencer, The University of Alabama at Birmingham, Birmingham, AL

SU-FF-T-431

Uncertainties in Superficial Dose From Helical Tomotherapy Delivery Due to Target Localization Errors - S Goddu*, S Yaddanapudi, S Chaudhari, S Mutic, D Rangaraj, J Garcia Ramirez, J Esthappan, L Santanam, S Powell, D Low, Washington University School of Medicine, St. Louis, MO 63110

SU-FF-T-437

Using a Matrix Detector for Helical Delivery QA - M Woo*, Toronto Sunnybrook Regional Cancer Ctr, Toronto, ON

SU-FF-T-443

Validation of Tomotherapy Machine Matching Procedure at the University of Wisconsin - H Jaradat*, B Paliwal, W Tome, T Mackie, M Mehta, University of Wisconsin, Madison, WI.

SU-GG-AUD-1

Exit Dosimetry Treatment Verification Using Auto-Associative Kernel Regression - R Seibert*¹, C Ramsey¹, B Robison¹, S Outten¹, D Garvey², W Hines¹ (1) Thompson Cancer Survival Center, Knoxville, TN, (2) The University of Tennessee, Knoxville, TN

TH-C-L100F-3

Comparison of Imaging Capabilities of Two IGRT Systems - D Tewatia*, T Mackie, University of Wisconsin, Madison, WI

TH-C-M100F-3

One Vision of the Next Generation of Helical Tomotherapy - M Kissick*, R Flynn, D Westerly, R Jeraj, T Mackie, University of Wisconsin, Madison, WI

TH-C-M100J-2

Real Time Motion Adaptive Delivery—I. Topotherapy - W Lu*, M Chen, Q Chen, K Ruchala, G Olivera, TomoTherapy, Inc., Madison, WI

TH-E-M100A-4

Tomotherapy/Linac with Cone Beam CT - W Tome*, University of Wisconsin, Madison, WI

TU-C-AUD-3

Comparing the Expected Effectiveness of Helical Tomotherapy and MLC-Based IMRT Using Biological Measures - P Mavroidis¹, B Ferreira¹, C Shi², B Lind¹, S Stathakis², N Papanikolaou^{*2}, (1)Karolinksa Institute, Stockholm, SE, (2) Cancer Therapy and Research Center and UTHSCSA, San Antonio, TX

TU-C-M100F-6

Assessment of Lung Tumor Response Using CT-Based Image Guided Therapy - Ramsey^{*1}, R Seibert¹, W Hines², S Meeks³, K Langen³, X Li⁴, (1) Thompson Cancer Survival Center, Knoxville, TN, (2) University of Tennessee, Knoxville, TN, (3) MD Anderson Cancer Center Orlando, Orlando, FL, (4) Medical College of Wisconsin, Milwaukee, WI

TU-D-AUD-7

The Design and Performance of a Simplified Independent Tomotherapy Treatment Planning System - R Shaw^{*}, M Kao, K Steidley, Saint Barnabas Medical Center, Livingston, NJ

TU-D-L100J-4

Respiration Motion Correction in Helical Tomotherapy Imaging - S Outten^{*}, R Seibert, C Ramsey, Thompson Cancer Survival Center, Knoxville, TN

TU-D-M100F-2

Automated Quality Assurance for Helical Tomotherapy Using Exit Detector Data - C Ramsey^{*}, R Seibert, S Outten, B Robison, Thompson Cancer Survival Center, Knoxville, TN

TU-D-M100F-7

Simplified Clinical Quality Assurance for Helical Tomotherapy - W Grant^{*1}, J McGary¹, N Childress¹, R Cravens², T Krumbach², G Olivera³, (1) Baylor College of Medicine/The Methodist Hospital, Houston, TX, (2) Tomotherapy, Inc., Madison, WI, (3) UW - Medical Radiation Research Center, Madison, WI

TU-D-M100F-8

Quality Assurance Protocol of the HiArt Tomotherapy MLC: Design and Implementation - C Shi^{*1}, V Sarkar², L Lin², N Papanikolaou¹, (1) Cancer Therapy & Research Center, San Antonio, TX, (2) University of Texas Health Science Center at San Antonio, San Antonio, TX

TU-D-M100F-9

Breathing Motion-Induced Dose Delivery Error Evaluations as Applied to Tomotherapy Dose Delivery - S Chaudhari^{*}, D Rangaraj, S Goddu, K Malinowski, W Lu, P Parikh, D Low, Washington University School of Medicine, St. Louis, MO

TU-EE-A2-3

Simultaneous Integrated Boost for Canine Nasal Tumors Using Helical Tomotherapy: A Radiobiological and Treatment Planning Study - A Gutiérrez^{*1}, M Deveau¹, L Forrest¹, W Tomé¹, T Mackie^{1,2}, (1) University of Wisconsin, Madison, WI, (2) TomoTherapy Inc., Madison, WI

TU-FF-A2-2

Comparison of Fixed-Beam IMRT, Helical Tomotherapy and IMPT for Selected Cases - J Muzik^{*}, M Soukup, M Alber, Abteilung fuer Medizinische Physik, Universitaetsklinikums Tuebingen, Tuebingen, DE

TU-FF-A2-3

Image-Guided Helical Tomotherapy to Treat Advanced Cancers of the Scalp: Prospects for Dose Conformity and Clinical Outcome - K Kainz^{*1}, J F Wilson¹, C Schultz¹, P Jursinic², X A Li¹, (1) Medical College of Wisconsin, Milwaukee, WI, (2) West Michigan Cancer Center, Kalamazoo, MI

TU-FF-A2-4

Evaluation of Patient's Setup Uncertainties and Organ Motions Using a TomoTherapy Hi-Art System - T Liu^{*}, C Wu, C Yang, F Guo, R Stern, J Purdy, UC Davis Medical Center, Sacramento, CA

WE-C-M100F-1

Risk of Secondary Fatal Malignancies From Hi-Art Tomotherapy IMRT - S Lazar*¹, D Followill¹, J Gibbons², A Mahajan¹, M Salehpour¹, M Stovall¹, R White¹, (1) U.T. M.D. Anderson Cancer Center, Houston, TX, (2) Mary Bird Perkins Cancer Center, Baton Rouge, LA

WE-C-M100F-2

Simultaneous Irradiation of Prone Breast and Regional Lymph Nodes Using Helical Tomotherapy - K Kainz*, J White, J Herman, M England, X Li, Medical College of Wisconsin, Milwaukee, WI

WE-D-AUD-1

Clinical Evaluation of An Independent Dose Check Algorithm for Helical Tomotherapy - J Gibbons*^{1,2}, K Smith², D Cheek¹, I Rosen^{1,2}, (1) Mary Bird Perkins Cancer Center, Baton Rouge, LA, (2) Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA

WE-D-AUD-8

Analysis of 1200 Delivery QA Measurements and Patient Plan Parameters in Helical Tomotherapy - M West*, A Sen, A Movahed, G Ingram, D Lollar, Cancer Treatment Centers of America, Tulsa, OK

WE-E-M100F-4

Commissioning and Validation of a Beam Model for Calculating Megavoltage CT Dose From Imaging with a Helical Tomotherapy Unit - A Shah*¹, K Langen¹, S Meeks¹, P Kupelian¹, R Staton¹, A Cox², K Ruchala², (1) M. D. Anderson Cancer Center Orlando, Orlando, FL, (2) Tomotherapy Inc., Madison, WI,