



Medical Dosimetrist Certification Board

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Print Date: 7/5/2005

Karen MacFarland
AAPM
One Physics Ellipse
College Park MD 20740

Dear Karen,

Thank you for submitting your continuing education activity to the MDCB for evaluation. The educational activity has been approved for credits as listed below.

To earn credit(s) with the MDCB, CMD's must submit a certificate of attendance, transcript or some other proof of attendance with the reference number(s) listed provided by the activity sponsor. If there are any questions, please contact the MDCB.

Reference #	Activity Title	Activity Date	Expires	Credits
MDCB050713	Radiation Protection in Radiotherapy	07/23/2005	07/24/2005	1.00
MDCB050714	Anatomy & Imaging for 3-D Treatment Planning w/Applications to...	07/23/2005	07/24/2005	1.00
MDCB050715	Electron and Photon Interactions in Water and Tissues	07/23/2005	07/24/2005	1.00
MDCB050716	Nuclear Physics in Radiotherapy, Also Heavy Particle Therapy Beams	07/23/2005	07/24/2005	1.00
MDCB050717	Radiation Generators for External Beam Radiotherapy	07/23/2005	07/24/2005	1.00
MDCB050718	Radiation Measurement in Radiation Therapy	07/23/2005	07/24/2005	1.00
MDCB050719	Treatment Planning: Clinical Electrons	07/23/2005	07/24/2005	1.00
MDCB050720	Shielding for Megavoltage Therapy Machines	07/23/2005	07/24/2005	1.00
MDCB050721	Computer-Controlled Delivery of External Beam Radiotherapy	07/23/2005	07/24/2005	0.50
MDCB050722	Basic Physics of Diagnostic Radiography	07/23/2005	07/24/2005	1.00
MDCB050723	Fluoroscopic Image Quality	07/23/2005	07/24/2005	1.00
MDCB050724	MRI Image Characteristics & Quality Factors	07/23/2005	07/24/2005	1.50
MDCB050725	Computed Radiography: Image Quality and QC	07/23/2005	07/24/2005	0.50
MDCB050726	Radiation Shielding Design	07/23/2005	07/24/2005	1.00
MDCB050727	Hospital Radiation Protection	07/23/2005	07/24/2005	1.00

MDCB050728	Diagnostic X-ray Equipment Testing	07/23/2005	07/24/2005	1.00
MDCB050729	Medical Physics Issues in Mammography	07/23/2005	07/24/2005	1.00
MDCB050730	Treatment Planning w/Clinical X-Rays: Fundamentals	07/24/2005	07/25/2005	1.00
MDCB050731	Treatment Planning w/Clinical X-Rays: Dose-volume and Radiobiology	07/24/2005	07/25/2005	1.00
MDCB050732	Brachytherapy Sources: Dosimetry and Source Strength Specifications	07/24/2005	07/25/2005	1.00
MDCB050733	Brachytherapy Treatment Planning	07/24/2005	07/25/2005	1.00
MDCB050734	Fetal Dose Calculations	07/24/2005	07/25/2005	1.00
MDCB050735	Ultrasound Physics and Technology	07/24/2005	07/25/2005	1.00
MDCB050736	CT Technology and Dosimetry	07/24/2005	07/25/2005	1.00
MDCB050737	Digital Technology for Radiography	07/24/2005	07/25/2005	1.00
MDCB050754	MO-A-I-609: Digital Imaging Systems, Processing, Analysis and Display	07/25/2005	07/26/2005	1.00
MDCB050755	MO-A-I-611: Computed Tomography Physics & Technology I	07/25/2005	07/26/2005	1.00
MDCB050756	MO-A-I-617: PET Physics and Technology I	07/25/2005	07/26/2005	1.00
MDCB050757	MO-A-I-618: Breast Imaging Physics and Technology	07/25/2005	07/26/2005	1.00
MDCB050758	MO-A-T-6B: Particles	07/25/2005	07/26/2005	1.00
MDCB050759	MO-A-T-6C: Managing Respiratory Motion	07/25/2005	07/26/2005	1.00
MDCB050760	MO-A-T-6E: QA for IMRT I	07/25/2005	07/26/2005	1.00
MDCB050761	MO-B-I-609: Ultrasound Imaging Physics & Technology I	07/25/2005	07/26/2005	1.00
MDCB050762	MO-B-I-611: Radiation Safety and Risk Management	07/25/2005	07/26/2005	1.00
MDCB050763	MO-B-I-617: Magnetic Resonance Imaging Physics & Technology I	07/25/2005	07/26/2005	1.00
MDCB050764	MO-B-I-618: Radiographic & Fluoroscopy Physics and Technology I	07/25/2005	07/26/2005	1.00
MDCB050765	MO-B-T-6B: QA for TP Systems	07/25/2005	07/26/2005	1.00
MDCB050766	MO-B-T-6C: Imaging for Treatment Planning I	07/25/2005	07/26/2005	1.00
MDCB050767	MO-B-T-6E: Optimization for IMRT I	07/25/2005	07/26/2005	1.00
MDCB050769	MO-D-I-609: MRI and Nuclear Medicine	07/25/2005	07/26/2005	2.00
MDCB050770	MO-D-I-611: Computed Tomography	07/25/2005	07/26/2005	2.00
MDCB050772	MO-D-I-6B: Flat-Panel Detectors: Advanced Applications	07/25/2005	07/26/2005	2.00
MDCB050773	MO-D-J-6C: Memorial Session in Honor of John S Laughlin: Imaging...	07/25/2005	07/26/2005	2.00
MDCB050774	MO-D-T-617: Clinical Measurements	07/25/2005	07/26/2005	2.00
MDCB050775	MO-D-T-6E: Radiobiology	07/25/2005	07/26/2005	2.00
MDCB050776	MO-D-W-608: Display Evaluation Demonstration Workshop	07/25/2005	07/26/2005	2.00
MDCB050778	MO-E-I-609: Advances in Breast Imaging	07/25/2005	07/26/2005	1.50
MDCB050779	MO-E-I-611: Dual modality Imaging: From Physics to Physician	07/25/2005	07/26/2005	1.50
MDCB050780	MO-E-J-6B: In-Room Imaging for Therapy Guidance	07/25/2005	07/26/2005	1.50
MDCB050781	MO-E-T-617: Monte Carlo Methods	07/25/2005	07/26/2005	1.50
MDCB050782	MO-E-T-618: Brachytherapy Treatment Techniques	07/25/2005	07/26/2005	1.50
MDCB050783	MO-E-T-6C: Site Specific IMRT Planning	07/25/2005	07/26/2005	1.50
MDCB050784	MO-E-T-6E: Biological Parameters in Optimization	07/25/2005	07/26/2005	1.50
MDCB050785	MO-E-W-608: Display Evaluation Demonstration Workshop	07/25/2005	07/26/2005	1.50
MDCB050786	TU-A-I-609: Digital Imaging Systems, Processing, Analysis & Display II	07/26/2005	07/27/2005	1.00
MDCB050787	TU-A-I-611: Computed Tomography Physics & Technology II	07/26/2005	07/27/2005	1.00
MDCB050788	TU-A-I-617: PET Physics and Technology II	07/26/2005	07/27/2005	1.00
MDCB050789	TU-A-I-618: Breast Imaging Physics and Technology II	07/26/2005	07/27/2005	1.00
MDCB050790	TU-A-T-6B: Regulatory Update for Brachytherapy	07/26/2005	07/27/2005	1.00

MDCB050791	TU-A-T-6C-TG-70: TG-70	07/26/2005	07/27/2005	1.00
MDCB050792	TU-A-T-6E: QA for IMRT II	07/26/2005	07/27/2005	1.00
MDCB050793	TU-B-I-609: Ultrasound Imaging Physics & Technology II	07/26/2005	07/27/2005	1.00
MDCB050794	TU-B-I-611: Radiation Safety and Risk Management II	07/26/2005	07/27/2005	1.00
MDCB050795	TU-B-I-617: Magnetic Resonance Imaging Physics & Technology II	07/26/2005	07/27/2005	1.00
MDCB050796	TU-B-I-617: Magnetic Resonance Imaging Physics & Technology II	07/26/2005	07/27/2005	1.00
MDCB050797	TU-B-T-6B: Transition to Hereto Corrections	07/26/2005	07/27/2005	1.00
MDCB050798	TU-B-T-6C: Imaging for Treatment Planning II	07/26/2005	07/27/2005	1.00
MDCB050799	TU-B-T-6E: Optimization for IMRT II	07/26/2005	07/27/2005	1.00
MDCB050800	TU-CI-609: Image Science and Perception	07/26/2005	07/27/2005	2.00
MDCB050801	TU-CI-611: Advances in CT: Hardware, Algorithms and Applications	07/26/2005	07/27/2005	2.00
MDCB050802	TU-C-J-6B: Joint Imaging-Therapy Scientific Session: Functional...	07/26/2005	07/27/2005	2.00
MDCB050803	TU-C-P-618: Medical Physicist Provider Status & Direct Billing...	07/26/2005	07/27/2005	2.00
MDCB050804	TU-C-T-617: Stereotactic	07/26/2005	07/27/2005	2.00
MDCB050805	TU-C-T-6C: How Complex Does Photon Technology Need to be?	07/26/2005	07/27/2005	2.00
MDCB050806	TU-C-T-6E: IMRT Verification and QA I	07/26/2005	07/27/2005	2.00
MDCB050807	TU-C-W-608: Ultrasound QC Workshop	07/26/2005	07/27/2005	2.00
MDCB050808	TU-D-I-609: Measuring the Clinical Impact of CAD on Screening Mammo...	07/26/2005	07/27/2005	2.00
MDCB050809	TU-D-I-611: Cone-Beam CT	07/26/2005	07/27/2005	2.00
MDCB050810	TU-D-J-6B: Technologies for In-Vivo Small Animal Imaging	07/26/2005	07/27/2005	2.00
MDCB050811	TU-D-J-6C: 4D Modeling & margin Assessment I	07/26/2005	07/27/2005	2.00
MDCB050812	TU-D-P-618: Medical Errors & Medical Physics	07/26/2005	07/27/2005	2.00
MDCB050813	TU-D-T-617: New Radiopharmaceuticals & Emerging Applications	07/26/2005	07/27/2005	2.00
MDCB050814	TU-D-T-6E: Why, What and How Much QA is Necessary for IMRT?	07/26/2005	07/27/2005	2.00
MDCB050815	TU-D-W-608: DOT HazMat Workshop	07/26/2005	07/27/2005	2.00
MDCB050820	TU-E-I-611: Imaging Dosimetry and Quality Control	07/26/2005	07/27/2005	1.50
MDCB050822	TU-E-T-6C: Sie Specific IMRT Planning II	07/26/2005	07/27/2005	1.50
MDCB050823	TU-E-T-6E: Training MDS and CMDs	07/26/2005	07/27/2005	1.50
MDCB050824	TU-E-W-608: DOT HazMat 2 Workshop	07/26/2005	07/27/2005	1.50
MDCB050829	WE-A-I-609: Digital Imaging Systems, Processing, Analysis & Display III	07/27/2005	07/28/2005	1.00
MDCB050830	WE-A-I-611: Computed Tomography Physics & Technology III	07/27/2005	07/28/2005	1.00
MDCB050831	WE-A-I-617: PET Physics and Technology III	07/27/2005	07/28/2005	1.00
MDCB050832	WE-A-I-618: Breast Imaging Physics and Technology III	07/27/2005	07/28/2005	1.00
MDCB050834	WE-A-T-6C: HDR for Breast	07/27/2005	07/28/2005	1.00
MDCB050835	WE-A-T-6E: QA for IMRT III	07/27/2005	07/28/2005	1.00
MDCB050836	WE-B-I-609: Ultrasound Imaging Physics & Technology III	07/27/2005	07/28/2005	1.00
MDCB050837	WE-B-I-611: Radiation Safety and Risk Management III	07/27/2005	07/28/2005	1.00
MDCB050838	WE-B-I-617: Magnetic Resonance Imaging Physics & Technology III	07/27/2005	07/28/2005	1.00
MDCB050839	WE-B-I-618: Radiographic & Fluoroscopy Physics and Technology III	07/27/2005	07/28/2005	1.00
MDCB050840	WE-B-T-6B: Planning and Delivery - Pediatric	07/27/2005	07/28/2005	1.00

	Radiography			
MDCB050841	WE-B-T-6C: Imaging for Treatment Planning III	07/27/2005	07/28/2005	1.00
MDCB050842	MO-B-T-6E: Monte Carlo for Radiotherapy I	07/27/2005	07/28/2005	1.00
MDCB050843	WE-C-I-609: Image Processing and CAD	07/27/2005	07/28/2005	2.00
MDCB050844	WE-C-I-611: X-ray Fluoroscopy & Angiography: The State of the Art	07/27/2005	07/28/2005	2.00
MDCB050845	WE-C-J-6B: Image Guidance in Four Dimensions	07/27/2005	07/28/2005	2.00
MDCB050846	WE-C-J-6C: Image Guided Radiotherapy Strategies	07/27/2005	07/28/2005	2.00
MDCB050847	WE-C-P-618: Politics & Medical Physics-Part I Politicians View...	07/27/2005	07/28/2005	2.00
MDCB050848	WE-C-T-617: Calibration and QA	07/27/2005	07/28/2005	2.00
MDCB050849	WE-C-T-6E: Nanotechnology and Cancer	07/27/2005	07/28/2005	2.00
MDCB050850	WE-D-I-609: Small Animal Imaging	07/27/2005	07/28/2005	2.00
MDCB050851	WE-D-I-611: Image Science: DQE and Beyond	07/27/2005	07/28/2005	2.00
MDCB050852	WE-D-I-6B: In-Room Imaging for Radiation Therapy	07/27/2005	07/28/2005	2.00
MDCB050853	WE-D-P-618: Legal Corner-LawSuits, Discrimination, HIPAA	07/27/2005	07/28/2005	2.00
MDCB050854	WE-D-T-617: Dosimetry Instrumentation	07/27/2005	07/28/2005	2.00
MDCB050855	WE-D-T-6C: Imaging for Therapy Assessment	07/27/2005	07/28/2005	2.00
MDCB050856	WE-D-T-6E: IMRT Optimization	07/27/2005	07/28/2005	2.00
MDCB050857	WE-D-W-608: Digital Radiography QC Workshop	07/27/2005	07/28/2005	2.00
MDCB050858	WE-E-E-611: Teaching Diagnostic Physics to Radiology Residents	07/27/2005	07/28/2005	1.50
MDCB050859	WE-E-I-609: Image Perception	07/27/2005	07/28/2005	1.50
MDCB050860	WE-E-J-6B: Advances in Image-Guided Interventions	07/27/2005	07/28/2005	1.50
MDCB050861	WE-E-J-6C: 4D Modeling & Margin Assessment II	07/27/2005	07/28/2005	1.50
MDCB050862	WE-E-T-617: IMRT Clinical Applications I	07/27/2005	07/28/2005	1.50
MDCB050863	WE-E-T-618: Site Specific IMRT Planning III	07/27/2005	07/28/2005	1.50
MDCB050864	WE-E-J-6E: Multiplanar Dosimetry without Film Processors	07/27/2005	07/28/2005	1.50
MDCB050865	WE-E-W-608: Digital Radiography Workshop	07/27/2005	07/28/2005	1.50
MDCB050866	TH-A-I-609: Digital Imaging Systems, Processing, Analysis & Display IV	07/28/2005	07/29/2005	1.00
MDCB050867	TH-A-I-611: Computed Tomography Physics & Technology IV	07/28/2005	07/29/2005	1.00
MDCB050868	TH-A-I-617: PET Physics and Technology IV	07/28/2005	07/29/2005	1.00
MDCB050869	TH-A-I-618: Breast Imaging Physics and Technology IV	07/28/2005	07/29/2005	1.00
MDCB050870	TH-A-T-6B: Particles	07/28/2005	07/29/2005	1.00
MDCB050871	TH-A-T-6C: Photodynamic	07/28/2005	07/29/2005	1.00
MDCB050872	TH-A-T-6E: QA for IMRT IV	07/28/2005	07/29/2005	1.00
MDCB050873	TH-B-I-609: Ultrasound Imaging Physics and Technology: Contrast	07/28/2005	07/29/2005	1.00
MDCB050874	TH-B-I-611: Radiation Safety and Risk Management IV	07/28/2005	07/29/2005	1.00
MDCB050875	TH-B-I-617: Magnetic Resonance Imaging Physics & Technology IV	07/28/2005	07/29/2005	1.00
MDCB050876	TH-B-I-618: Radiographic & Fluoroscopy Physics and Technology IV	07/28/2005	07/29/2005	1.00
MDCB050877	TH-B-T-6B: The Radiological Physic's Center's QA Activities	07/28/2005	07/29/2005	1.00
MDCB050878	TH-B-T-6C: Imaging for Treatment Planning IV	07/28/2005	07/29/2005	1.00
MDCB050879	TH-B-T-6E: Monte Carlo for Radiotherapy II	07/28/2005	07/29/2005	1.00
MDCB050880	TH-C-I-609: Ultrasound Imaging	07/28/2005	07/29/2005	2.00
MDCB050881	TH-C-I-611: Advances in X-ray Radiography & Fluoroscopy	07/28/2005	07/29/2005	2.00
MDCB050882	TH-C-J-6B: Image-Guided Localization & Intervention	07/28/2005	07/29/2005	2.00
MDCB050883	TH-C-P-618: CRCPD & Medical Physics-Part 1	07/28/2005	07/29/2005	2.00

	Defined Part II SRI, Rad T			
MDCB050884	TH-C-T-617: Monte Carlo Methods 2	07/28/2005	07/29/2005	2.00
MDCB050885	TH-C-T-6C: Therapy General	07/28/2005	07/29/2005	2.00
MDCB050886	TH-C-T-6E: IMRT Verification and QA 2	07/28/2005	07/29/2005	2.00
MDCB050887	TH-C-W-608: Grantsmanship Workshop	07/28/2005	07/29/2005	2.00

Total Approved Credits: **201.50**

Promoting Excellence Through Credentialing