

2023–2024 Directors

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President's Letter



STEPHANIE OLSON,
MS, RT(T), CMD

Happy New Year and welcome to the 2024 Winter newsletter! The past year has been a busy one for the MDCB Board of Directors. I cannot thank those who serve alongside me enough for the countless hours that have been spent on many new and exciting initiatives toward ensuring our exam stays clinically relevant.

With the implementation of performance-based questions a few years back, we have been able to test candidates beyond their didactic knowledge by incorporating questions that assess their day-to-day knowledge as well. However, we knew we did not want to stop there and have worked hard to be able to add contouring-based questions that will be included on the September 2024 exam. We look forward to receiving feedback from the candidates who will be the first to experience these new contouring questions and we will continue to brainstorm ideas on how to further ensure clinical proficiency is being tested.

A recent job task analysis was performed toward the end of last year. We thank those who volunteered on these task groups and those of you in the dosimetry community who answered the corresponding online survey. This process helps us evaluate and adjust test specifications as appropriate to ensure the exam stays relevant to current best practice in medical dosimetry. A major focus for the board this coming year will be our continuous effort to evaluate that our current bank of test questions matches the text matrix and fill in any gaps as needed.

I would like to end by acknowledging and thanking EVERYONE who has a hand in educating and training our medical dosimetry students. In a field that has ever-changing and advancing technologies, increasing use of artificial intelligence, and more and more personnel working from home, you continue to go above and beyond to prepare students for the medical dosimetry profession. Please know that the MDCB board supports you and these efforts. Feel free to reach us anytime at info@mdcb.org.

All the best,

Stephanie Olson ♦

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UPDATE ON The MDCB Exam

The MDCB recently completed the Job Task Analysis (JTA) and Test Specifications Workshops. These important studies are conducted in conjunction with the MDCB exam vendor, Prometric. The Job Task Analysis is completed every five years to ensure the MDCB Exam remains relevant to current dosimetry practice. Rigorous exam development procedures are employed in accordance with best practice guidelines that support MDCB's accreditation with the National Commission for Certifying Agencies. Following the completion of the Job Task Analysis, a Test Specifications Workshop is conducted to closely examine what changes may need to be made to the test blueprint, also referred to as a test matrix.

Volunteer Subject Matter Experts (SMEs) - current practicing CMDs - review survey responses and importance task ratings indicated by those who completed a survey circulated to the dosimetry community. Based on survey responses, the SMEs, guided by the Prometric Assessment Design

Specialist, determine revisions to the current blueprint. Once the blueprint is revised, the SMEs work with the Prometric specialist to determine the weights, i.e. the percentage of the exam that each content area should have. Finally, the SMEs review the previous test blueprint to determine where existing exam content might fit within the revised test specifications. This last exercise allows for a subsequent item bank review to determine which areas of the new test specifications will need to have corresponding test items written to be included on the exam, as well as items that are no longer relevant to be included on the exam.

Once the ensuing exam with the new content is administered, a Standard-Setting Workshop is organized. The purpose of the standard setting is to derive a passing score by which all candidates will be measured until the conduct of the next JTA. The MDCB will be circulating a call for volunteers for this next stage and looks forward to your participation.

The MDCB thanks the volunteers who participated in the JTA and Test Specifications Workshops:

Ashley Chackalayil
Richard Corbett
Tim Coski
Anna Drew
Patricia Fisher
Nadine Gerhard

Erin Gittings
Hannah Nguyen
Zeke Ramirez
Sheri Severseike
Arundhati Sharma
Gwendolen Shickell

Alan Tran
Michael Watts
Lori Willette
Asad Zameer

September 2023 Exam

- 100 candidates sat for the exam.
- The test was administered at 76 Prometric test sites in the US and internationally.
- The pass rate was 81%.
- The scaled raw cut score for passing is 600 out of a total possible of 800. ♦

CONGRATULATIONS

to the September 2023 exam candidates who successfully challenged the exam!

Austin Abbott
Ahmed Ali
Caitlin Allen
Evangelia Andrews
Joshua Barrus
Todd Baumgartner
Alexis Blankenship
Kimberly Boone
Erin Brzoskowski
Albert Canva
Raelynn Carrell
Vivian Casanas
Cortney Cashner
Dena Champagne
Hea Chun
Daniel Clark
Kristen Dezell
Katelyn Fernando
Kristyn Folan
Tara Fry
Ashlee Geary
Eric Gillette
Tara Goffic
Stephanie Graham
Shannon Graham
Robert Hale
Brad Hamrick

Michael Hardy
Brendan Heinze
Jason Hendershot
Pamela Hensley
Spencer Hill
Kimberly Howard
Lauren Jankowski
Camilla Johnson
Julie Kenan
Giwoo Kim
Sarah Koshy
Asila Lashkeri
Su Xin Ghislaine Lee
David Li
Bizhen Liu
Xueyan Lu
Samantha Lydon
Anthony Machuca
Nicholas Mardeusz
Jeremy Marshall
Brittni McKane
Talha Mojawalla
Binh Nguyen
Joseph Pagano
Ann Paul
Simran Rai
Milen Reta

Carissa Rivinius
Alexandra Rode
Rory Rosselot
Timarra Rudd
Keegan Sanborn
Valerie Sato
Laura Schiavo
Shaenna Seering
Kelly Shaaber
Jill Shia
Crystal Smith
Paige Solie
Samantha Spradlin
Bryan Stump
Shahenaz Tawfik
Sam Taylor
Kelly Torolski
Chang Wang
Qian Wang
Scott Warner
Erin Washer
Miranda Willey
Anna Williamson
Erika Winn
Samantha Wong
Brent Woodall
Xuantong Zhang

MDCB Thanks Outgoing Board Members

The MDCB extends its sincere thanks to outgoing board of director members, Spencer Arnould, MS, CMD, Michael Manteuffel, MS, RT(R)(T), CMD, Allison McCarthy, BS, CMD, Kristen Vu, MS, RT(T), CMD, and Minsong Cao, PhD, DABR.

While on the board, Spencer served on the Executive Committee as Secretary, President-Elect and President. In addition, he chaired the Maintenance of Certification Committee and served on both the Bylaws & Ethics and Eligibility Committees.

Michael Manteuffel served on the Executive Committee as President and President-Elect and was Chair of the Bylaws & Ethics, Maintenance of Certification, and Test Development Committees. Michael was also Liaison to the AAMD. In addition, he was instrumental in supporting the integration of ProKnow test items to the MDCB Certification Exam.

Allison McCarthy served on the Executive Committee as Secretary. She served on the Bylaws & Ethics, Diversity Equity and Inclusion, Eligibility, Leadership Development, Maintenance of Certification and Test Development Committees.

Kristen Vu served on the Executive Committee of the MDCB Board as President and President-Elect. She participated on the Eligibility Committee as Chair and as a member of the Finance, Leadership Development, Maintenance of Certification and Test Development Committees. Following her board service, Kristen remained on the board in an Ex Officio capacity as a liaison to the formal medical dosimetry programs.

Minsong Cao served on the board as an AAPM Liaison. Although he completed his term in August of 2023, Minsong continues to support the MDCB with the integration of performance-based questions on the MDCB exam. ♦

Welcome New Board Members

Romeo Boulet, BS, RT(T), CMD



Romeo Boulet is a consultant to Hannleb Medical Physics, providing remote dosimetry services. He began his career in 2010 at CancerCare Manitoba, working in both Radiation Therapy and Dosimetry. In 2015, he completed his Bachelor's in Radiation Sciences at the University of Winnipeg and became MDCB certified shortly after. Between 2016-2023, Romeo spent time as the Chief Dosimetrist at Atrium Health's main campus in Charlotte, NC where he made significant contributions to the SRS and Brachytherapy programs.

Gabrielle Collinsworth, CMD



Gabrielle Collinsworth is a staff dosimetrist at The University of Pennsylvania Hospital in Philadelphia, Pennsylvania. She completed her Bachelor of Radiologic Sciences in Radiography, Radiation Therapy and Medical Dosimetry at Thomas Jefferson University and earned her CMD in 2018. Gabrielle was a Clinical Instructor for Medical Dosimetry students while employed at Christiana Health Care in Delaware.

At UPenn, she appreciates the opportunities to be involved in the teaching aspects of the Medical Physics Residents and the Medical Residents. She was awarded the *Excellence in Dosimetry Award* and *Dosimetry Teaching Award* from both groups for the academic year of 2022-23.

Bethany Marshall, MS, CMD, RT(T)



Bethany Marshall is a Staff Dosimetrist at Dartmouth Hitchcock Medical Center. She received her Bachelor of Science in Radiation Therapy at the University of Vermont in 2014. She worked as a radiation therapist in the field for a number of years before expanding her clinical knowledge to dosimetry. She went on to receive her Master of Science in Dosimetry at Grand Valley State University in 2019 and became board-certified in early 2020. Some of her interests in the clinic include education, research, standardization, and workflow quality improvement. She has taught radiation therapy students at the University of Vermont and currently teaches a dosimetry course and is a research advisor for Grand Valley State University.

Jacky Nyamwanda, MS, CAGS, CMD



Jacky Nyamwanda is serving on the MDCB Board as the Ex Officio liaison to the formal medical dosimetry programs. Jacky is the Program Director of the MS in Medical Dosimetry at Suffolk University in Boston, MA, and a per-diem dosimetrist at Massachusetts General Hospital. She earned her BA in Physics from Smith College in 1999 and following on-the-job training, became a CMD in 2004. She then returned to school and earned an MS in Medical Dosimetry from Southern Illinois University in 2014. A lifelong learner, she is currently completing research towards a PhD in Health Professions Education at Simmons University.

Jonathan Stenbeck, MS, DABR, CMD



Jonathan Stenbeck is serving on the MDCB Board as one of two physicist representatives to the American Association of Physicists in Medicine (AAPM). Jonathan is the Chief Physicist at the Prisma Health Cancer Institute in South Carolina where he oversees the physics and dosimetry services provided to patients. He is certified by the American Board of Radiology (ABR) in Therapeutic Medical Physics and additionally by the MDCB as a Certified Medical Dosimetrist (CMD). He has a passion for teaching treatment planning and enjoys partnering in various aspects of oncology education and research. ♦

MDCB Scholarship

The MDCB is a proud supporter of the AAMD Foundation Scholarships. In 2023, five exam registration vouchers were presented to students of JRCERT-accredited programs. The recipients of the award are:

- Katelyn Fischer, University of Wisconsin-La Crosse
- Margaret Koehn, University of Wisconsin-La Crosse
- Thomas Lo Greco, Grand Valley State University
- Sydney Raver, University of Wisconsin-La Crosse
- Blair Vencil, John Patrick University ♦

Reminders from the AAMD

Save the Dates for these AAMD Educational Events in 2024:

AAMD Specialized Techniques Virtual Symposium

– Here’s your chance to participate in medical dosimetry continuing education and network virtually with your peers! The spring symposium will feature live sessions on **March 8, 2024**, plus recorded sessions to earn between 6 and 10 CE credits. See the [AAMD website](#) for abstract submission and event details.

AAMD 48th Annual Meeting – Make plans now to join your medical dosimetry colleagues for the **AAMD 49th Annual Meeting, June 9 - 12, 2024 in St. Louis, MO**. Built around the theme “The Gateway to Dosimetry,” the program will provide insights into the latest developments in medical dosimetry. Registration will open in January. ♦

PROFESSIONAL RESPONSIBILITY STATEMENT

As a recognized member of the health-care field providing critical care to individuals facing life-threatening illnesses, it is the sole responsibility of each Certified Medical Dosimetrist to adhere to the MDCB Ethical Standards, renew their credential annually by December 31 of each calendar year, earn and document 50 continuing education credits in each five-year cycle, and make necessary updates to personal contact information in the CE Center. Renewal fees submitted after December 31 will be subject to a late fee. Failure to submit the renewal fees for any calendar year may result in the loss of the CMD credential.