



# CSRT

## Connecticut Society of Radiologic Technologists

# Newsline



## Winter 2019

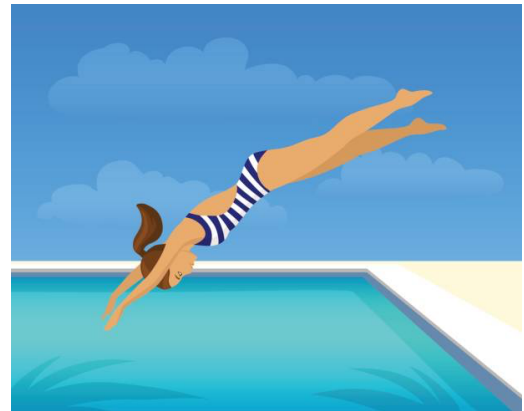
### President's Message

#### ***Come on in, the water's fine!***

The Connecticut Society of Radiologic Technologists (CSRT) represents decades of knowledge and experience in all of the professional principles we each believe in. As an active member and your current president, I have been able to learn from our past and more importantly, I am proud to be able to help protect the future of our craft! I am humbled to have been voted in with your trust and support to lead the CSRT into another year of accomplishments & memories.

We have another exciting year planned! Our 2019 agenda includes our famous College Bowl in April, monthly CEU events around the state, and our ever-growing and improving annual conference in September. Each of these events – including some other surprises in the wings - are being organized by a passionate team of Board members and volunteers that I am grateful to be partnered with. We are lucky to be in a business where our society is led from within, and it is my hope to inspire YOU to join us and contribute your skills to one of our many committees...

As you read this, you may be thinking → *I just want to do my shift and let others be an active board member.* Well, we are only as strong as our membership and it's a privilege to be able to control our fate. Your first step should be to join us at one of our monthly meetings, enjoy some delicious pizza, and meet the faces that are gluing this society together. Then, offer your personal



diverse skills to the committee group that will be enhanced by your participation. The CSRT exists and improves every year from new ideas and yours should be next.

We each learned the educational motto of “see one, do one, teach one,” and that motto transcends to this society. After you’ve made your mark as a proud tech it is time to dig in as a society member and come teach us the skills you can offer. My other favorite saying, which ironically brought me to this presidential moment, is to say, “If you are going to get wet, you might as well go swimming.” Come join us and add YOUR memory to this legacy!

Radiantly yours,

**Colleen Miller**

CSRT President, 2018-19

## Remember ....

It's now possible to print your CSRT Membership card anytime – from your own computer!

Just log-in to CSRT.us and download your membership certificate from your personal dashboard.

*Questions?*

**CONTACT US**



<http://member.csrt.us/contact-us/>

### CSRT Board of Directors: 2018-19

Senior Board Member:	Jay Derksen ( <a href="mailto:jay@derksen.net">jay@derksen.net</a> )
Chairman:	Dan DeMaio ( <a href="mailto:ddemaio@hartford.edu">ddemaio@hartford.edu</a> )
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Treasurer:	Diane Kosenko ( <a href="mailto:diane.kosenko@snet.net">diane.kosenko@snet.net</a> )

Interested in serving as a CSRT Board Member? Would you like to nominate yourself, or an interested colleague? Contact our Nominations Committee at:  
***NURicchio@mcc.commnet.edu***

### The Student Commons

The CSRT is once again proud to sponsor this year's **College Bowl on Friday, April 12<sup>th</sup>** on the campus of Middlesex Community College. This exciting event will feature student teams from across the state competing for "bragging rights!"

Students will also be treated to a lecture by our own Diane Kosenko on the value of licensure and advocacy in our profession.

\*Visit [www.csrt.us](http://www.csrt.us) - for more information.



***Come out and support your alma mater and all of our participating students!***

## Conference Wrap-Up

### ***Another year & another great annual conference!***

Once again, the CSRT hosted a fantastic annual conference on Saturday, September 29, 2018 at the Four Points Sheraton Hotel in Meriden, CT. Just over one hundred technologists, educators, vendors and students enjoyed a wide variety of innovative lectures across some of the hottest subjects in the radiologic sciences including c-arm safety, artificial intelligence, MRI of the breast and industrial imaging. We were honored to have ASRT President-Elect Stephanie Johnston in attendance to represent the ASRT and to provide a great lecture on breast biopsies.

Thank you to all 2018 lecturers: Alicia Giaimo, Kevin Henesy, Pauline Rocha, Kori Stewart, Richard Fucillo, Andy Savo, Terry Corbo, Ashley Sheldon, Robert Lombardo and William Hennessy.

Special thanks to our presenting sponsors: Supertech, Alpha Imaging, and Sectra, along with the many other vendors and sponsors whose contributions and support helped make our annual conference such a success.



## ***Special Announcement!***



**The CSRT Annual Conference Committee is super-excited to announce that this year's annual conference will be held at the historic and beautiful Gershon Fox Ballroom in Downtown Hartford!**

**Mark your calendars: September 28, 2019.**

**We're already planning another fantastic event filled with superb CE lectures, great opportunities to see old friends and network with new ones – all in a beautiful and centrally-located facility.**

More details  
coming soon!  
[www.csrt.us](http://www.csrt.us)



Convenient  
parking  
included with  
registration!

## Professional Update

The ASRT Practice Standards are authoritative statements established by our profession to set the benchmark for quality of our practice, service and education. Currently, there are thirteen individual practice standards documents, one for each of the various modalities and practice areas that make up the radiologic science profession. Each individual Practice Standard document also includes a Scope of Practice that identifies the boundaries for practice, formatted as a general list of tasks that are appropriate for individuals who are educationally prepared and clinically competent in a particular clinical area. These are important documents that state officials, institutions and legal advisors often reference when questions arise about our practice. In 2017, the ASRT Board charged a group of volunteers to evaluate the current modality-specific Practice Standards in an effort to identify redundancies and inconsistencies, and to propose a single, combined document that would better serve our profession. I have had the honor of serving on this group, the *Practice Standards Combined Document Subcommittee*. Now almost two years later, a draft of that combined document has been proposed and is available for review here:

<https://www.asrt.org/main/standards-and-regulations/professional-practice/proposed-changes>

This new draft combines 13 separate Practice Standards documents into one. Redundancies and inconsistencies have been identified and corrected. Our group worked hard to refrain from changing any language that is specific to the various areas of clinical practice in our profession. Next year, chapters in each clinical area will return to the work of evaluating their specific area(s) of the document to update and revise language, ensuring consistency with our constantly advancing profession. It is the hope of the ASRT and our subcommittee that this new combined document will result in an ongoing revision process that is more accurate and efficient. The proposed combined Practice Standards document will be discussed and voted upon during the upcoming ASRT House of Delegates' meeting in Orlando, Florida on June 21-23, 2019.

Although the period for public comment for the proposed document has now expired, it is not too late to have your voice heard. One of the primary responsibilities of the CSRT is to represent **you** – and all radiologic science professionals in Connecticut. If you have a comment or concern about the proposed combined Practice Standards document – or anything related to the governance of our profession and you would like us to pass along your comments during this summer's House of Delegates meeting, please let us know at [Colleen.Miller@harthosp.org](mailto:Colleen.Miller@harthosp.org)

Respectfully submitted,

Daniel N. DeMaio  
CSRT Board Chair, 2018-19



**The ASRT, CSRT  
and...YOU!**

**The CSRT is constantly monitoring legislative happenings in Connecticut that may impact our practice. You can also keep up-to-date by visiting this great resource from the ASRT:**

**Connecticut Advocacy  
Action Center**

@

<http://Cqrcengage.com/asrt/home2018>

## Technical Corner

### Imaging in Radiation Therapy

The goal of radiation therapy is to deliver a dose of radiation to the tumor and minimize the dose to the normal structures. Delivering the precise dose of radiation generally uses a megavoltage beam of radiation that must be carefully planned to accomplish the goal. Simulation is the first step in the radiation oncology process, positioning patients in a reproducible position that maps out the area to be treated.

In the early days of radiation therapy treatment, simulation was performed on the treatment unit. This simulation took time from the treatment room. The images taken were from the megavoltage machine that lacked quality due to the predominate Compton scatter interaction in the MV range. As technology advanced and the demand for more accurate treatments increased, a conventional simulation was developed. Conventional simulation, also referred to as fluoroscopy-based simulation, is a piece of x-ray equipment that simulates the mechanical, geometric and optical conditions of the treatment units. kV x-rays were taken to represent the treatment area and the patient was marked for daily set up to deliver the planned treatment. Images created on the conventional simulator, with the aid of fluoroscopy and diagnostic-quality images, greatly improved the simulation process.

Today, the standard simulation equipment includes a CT scanner and special software to allow the

tumor and normal anatomy delineation to create a treatment plan. The main difference between the CT scanner for diagnostic use and radiation therapy use is the table. A flat table is used for CT simulation planning to replicate the table in the treatment room. Patients are placed in the treatment position with immobilization devices. Patients are then scanned generally using small slice thickness to enable a creation of a digital reconstructed radiograph (DRR). CT scan protocols need to be selected for the appropriate area being scanned optimizing the images and minimizing the patient dose. These images are then used as a reference image when patients are treated to ensure the correct location and positioning of the patient.

Other imaging modalities such as MRI and PET/CT can be used to enhance the simulation process. Images from various modalities can be fused together to gain complete anatomical and physiological information to create the best treatment plan. Benefits of CT simulation include the ability to view all critical structures and CT image data is used for radiation therapy dose calculations.

Radiation therapy is using megavoltage radiation to treat and cure patients. This can only be successfully accomplished by using imaging tools such as fluoroscopy and CT to ensure proper delivery of treatment.

-Nora Uricchio, M.Ed.,RT(R)(T)  
CSRT President-Elect





## Enter to win an awesome vacation & support the CSRT

Purchase your ASRT Foundation Annual Drawing tickets for a chance to win a 5-night dream vacation to one of three fabulous destinations: Maui, Miami or San Diego. While purchasing your raffle tickets, select 'State Affiliate' to credit the CSRT. If our state affiliate earns the most credits, we could win up to \$750 – valuable funds that the CSRT will put to great use to advocate on **your** behalf!



**Purchase your ASRT Annual Drawing tickets, today:**

<https://foundation.asrt.org/winwin>

*Connecticut Society of Radiologic Technologists*

**www.CSRT.us**

### Upcoming Events

◆  
**College Bowl – Middlesex Community College - Friday, April 12, 2019**

8:00 am - Come watch our radiography students battle for program bragging rights!



◆  
**Spring Conference - Saturday, April 13, 2019**

7:30 am, University of Hartford – 4 CE credits

Co-Sponsored by the CSRT and UHART

◆  
**Annual CSRT Conference – Saturday, September 28, 2019**

G.Fox Ballroom, Hartford, CT

More info coming soon...



Visit [www.CSRT.us](http://www.CSRT.us) for more info on these and other upcoming events!