

From: [Sunset Advisory Commission](#)
To: [Janet Wood](#)
Subject: FW: Radiology Licensure Feedback
Date: Wednesday, November 30, 2016 1:00:31 PM

-----Original Message-----

From: Hope Gordon
Sent: Wednesday, November 30, 2016 12:32 PM
To: Sunset Advisory Commission
Subject: Radiology Licensure Feedback

To whom it may concern,

I strongly oppose cancelling licensure requirements for the field of radiologic technology.

As radiation is invisible, x-ray can seem harmless to many. In the diagnostic range, what we use is called ionizing radiation. An ion is when an atom gains or loses an electron. Images are formed as these rays both interact with and also pass through our patients. Consequently, we utilize a unit which both produces and then affects our patients on an atomic level.

Ionizing radiation is a known carcinogen. It also has the possibility of several other effects. This is not simply a matter of button pushing and placing the patient the way one person instructs. Licensed technologists have learned how to lower exposure levels while providing quality x-rays. I was recently shown films on a child with a fractured wrist. The first set was virtually black, unable to barely see anything. The repeat set could be considered better, but the quality was still abysmal. The films were still too dark and positioned poorly. This child was overexposed in multiple ways.

First, his original x-rays were overexposed, in this he received increased dosage. Secondly, his images were repeated, that alone increases dosage.

Thirdly, these images were still overexposed, yet another increase in dosage.

This child was x-rayed by an NCT, a non certified tech, an unlicensed tech.

This is a prime example of problems in many offices when licensure isn't considered.

Quality medical care involves much. Patients place their trust in care givers who they feel are qualified to actually care for them. Proper education requirements can only be assured through licensure.

Licensure is the standard in which all can be judged and held accountable for their actions. In our world today, accountability is sadly lacking.

Obtaining and maintaining licensure is the best way to assure the trust patients place in medical personnel. Licensure provides the standards and certifications needed to provide quality medical care.

I believe it is the NCT program that needs to be discontinued. The LMRT process is cumbersome, I would recommend making it a general certification as opposed to individual ones.

But, accredited LMRT programs teach all needed physics. They teach far more than just the fundamentals of radiation safety and radiobiology.

Again, I strongly oppose cancellation of licensure for radiologic technologists. We wouldn't want new drivers on the road with just a paper stating they went to a particular school, would we? We want some proof they know what to do.

Licensure matters. Our patients, the public deserve the care that only licensed professionals give.

Thank you for your consideration.

Elizabeth Hope Jarrell, R.T.(R)