

# 2018 Radiation Advisory Council Report for OHFAMA

*November 10, 2018 House of Delegates  
Meeting*

Larry Osher

# REC/RAC Related Activities

November 10, 2018

# Pertinent REC/RAC Activities - 2018

- **GXMO Exam - Update**
- ***CR digital* image receptors**
  - **Plate erasure (in office) – ODH guidance document**
  - **Medicare payment issues**
- **Misc: Annual integrity evaluation of apparel (66-02)**

# Review of Changes to GXMO Exam

- Entire question pool reviewed
- **Poorly** written/poorly performing questions rewritten or deleted
- Number of questions in each subsection equalized to minimize content inequities
- Entire syllabus revised and ***simplified; physics de-emphasized***
- Misc:
  - Topics of digital & film receptors tested equally

<b>TOTALS</b>	<b>262</b>	<b>68</b>	<b>25.95%</b>
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## MONTHLY # OF TEST-TAKERS

<b>MONTH</b>	<b>Attempts#</b>	<b>Pass#</b>	<b>Pass%</b>
January	27	8	29.63%
February	24	2	8.33%
March	25	10	40.00%
April	43	14	32.56%
May	24	1	4.17%
June	22	7	31.82%
July	19	4	21.05%
August	21	6	28.57%
September	21	5	23.81%
October	36	11	30.56%
November	0	0	#DIV/0!
December	0	0	#DIV/0!
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Facility	Attempts#	Pass#	Pass%
AmCare, Inc. (0508)	61	11	18.03%
Bowling Green State University (0339)	2	1	50.00%
College of Health & Science Marshal University	0	0	#DIV/0!
Columbus State Community College (0214)	14	6	42.86%
Columbus State Community College Radiography (012)	0	0	#DIV/0!
Cuyahoga Community College (0171)	0	0	#DIV/0!
Fortis College Medical Office - Cincinnati (0459)	0	0	#DIV/0!
Fortis College Medical Office - Westerville (0465)	15	1	6.67%
Health Education Consultants of NE Ohio (0347)	0	0	#DIV/0!
Heritage College X-Ray - Columbus (0434)	0	0	#DIV/0!
Heritage College X-Ray - Middleburg Heights (0517)	0	0	#DIV/0!
Kettering College of Radiologic Technology (0124)	1	0	0.00%
Lakeland Community College Radiography (0142)	0	0	#DIV/0!
Lorain County Community College (0141)	2	1	50.00%
Marietta Memorial Hospital (0130)	0	0	#DIV/0!
Mercy College of Ohio Radiography School (0102)	12	10	83.33%
Northern Kentucky University (0430)	0	0	#DIV/0!
Ohio Foot & Ankle Medical Association (0080)	37	8	21.62%
Ohio Institute of Allied Health (0451)	3	1	33.33%
Owen Community College (0108)	2	1	50.00%
Preliminary Inc. (Ohio Business College) (0452)	0	0	#DIV/0!
STARS Radiation Protection Course (0240)	86	18	20.93%
University of Akron (0143)	0	0	#DIV/0!
University of Cincinnati (0128)	0	0	#DIV/0!
Wright State University GXMO Program (0295)	0	0	#DIV/0!
Xavier University (0117)	1	1	100.00%
Zapit Medical, LLC (0498)	26	9	34.62%
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# GXMO Exam Report

Nov. 10, 2018

- Overall YTD exam pass rate approx. 25.96%  
(consistent with 2016 & 2017 numbers)
- *Highlights:*
  - Significant improvement recently – October 2018 = 30.56%
  - Pass rate improves when re-takers factored out
  - Pass rates decline when X-ray tech students factored out
  - Columbus state 42.86 % ytd
- Audit of all state programs – adherence to syllabus
- **No content trends** - performance in all content areas similar (except patient care uniformly does well)



## 3701-72 -04

- D. The following radiologic procedure tasks shall be performed **only** by an Ohio licensed practitioner, radiographer, nuclear medicine technologist, radiation therapist **or** ***general x-ray machine operator*** within his/her scope of practice:

# 3701-72 -04

- 1) *Adjust or set technique factors;*
- 2) *Move or position equipment;*
- 3) *Move or position the patient;*
- 4) *Expose the patient;*
- 5) Reset the audible signal on the cumulative radiation exposure timer;
- 6) Assure adequate radiation protection to the patient and individuals in the procedure room from unnecessary radiation, and;
- 7) Process and post process digital image at the time of procedure

# GXMO Licensure Rules

- Must have proof of education to take exam
- Initial license 1 year; 2 years thereafter
- Renewal of GXMO license requires completion of 12 continuing education (CE) hours over 2 year period before license expiration date *(ARRT requires 24 CEs)*
  - No longer need to **retake didactic exam** if GXMO license is allowed to **lapse, or cannot pass** didactic exam within a given timeframe



# Draft Rules 3701: 1-66-02

Subsection J(10): For those registrants employing *computed and digital* radiography imaging systems, the following shall apply:

- (a) If the computed radiography reader is located in the same room as the radiation-generating equipment and it *is not behind a protective barrier*, x-ray exposures shall not be made during processing;
- (b) Computed radiography plates shall be processed as soon as possible after exposure, *not to exceed eight hours* under any circumstances; and
- (c) Computed radiography plates shall be adequately shielded from stray radiation. *Registrants shall develop a process that will ensure that computed radiography plates are used frequently enough or erased at least weekly so as to produce diagnostic quality images.*; and
- (d) Facilities *other than dental, podiatric, and veterinary*, shall complete quarterly phantom image evaluations using a phantom approved by a radiation expert or system manufacturer. The analysis at a minimum shall include artifacts, spatial resolution, contrast/noise, work station monitors, and exposure indicator constancy

Subsection J(11): *Annual evaluation of the integrity of all protective gloves, aprons, and thyroid collars, if any.*



# Draft Rules 3701: 1-66-02

Computed radiography plates shall be adequately shielded from stray radiation

Registrants shall develop a process that will ensure that computed radiography plates are used frequently enough or erased at least weekly so as to produce diagnostic quality images

# Draft Rules 3701: 1-66-02

Subsection J(11): *Annual evaluation of the integrity of all protective gloves, aprons, and thyroid collars, if any*

# Draft 3701: 1-66-04

Subsection (E) Records required by this chapter... *shall be maintained* in accordance with the following:

- (1) Data and test results of evaluations and calibrations of all radiation-generating equipment for *no less than 5 years*;
- (2) Data and test results of evaluations of shielding and surroundings of all radiation-generating equipment *until the director terminates the registration*;
- (3) Maintenance logs for radiation-generating equipment *for five years*;
- (4) Incident reports for all radiation-generating equipment until the director terminates the registration;
- (5) Copies of current licenses or the department's licensure verification web page for everyone who is required to possess a license at the facility; and
- (6) Instruments used, or the identification of instruments used, to perform area radiation surveys, calibrations and evaluations ...

Questions?