

MERRYL N. FULMER, R.T.
 (R)(M)(MR)(QM)(CT)
 DIAGNOSTIC IMAGING SPECIALIST
WWW.MERRYLFULMER.COM

**WANT TO LEARN HOW TO TAKE THE
 ARRT EXAM & PASS IT???**

**Students
 Improve
 through
 Tutoring**




**Preparing for the ARRT
 Certification Exam (R)
 The Registry**

FOR STUDENTS WHO:
 Are preparing to sit for the exam for the first time
 Have failed the exam and are planning to retake
 Want a review of what's expected of a radiographer working today

**Sunday, November 3, 2024
 3:00 - 6:00 pm EST
 \$100.00**

**REGISTER AT
WWW.MERRYLFULMER.COM**

Class will be recorded.
 Time will be allotted for questions & answers.

1

**I CAN HELP YOU PASS
 YOUR ARRT BOARDS!**

Over 45 years experience
 Thousands of students!!!!

2

**TODAY'S
 OBJECTIVES**

- 1. Tell you about myself
- 2. Discuss your upcoming Registry Exam
- 3. Tele-tutoring
- 4. Post-Primary Courses
 - Mammography (M)
 - MRI (MR)
 - Computed Tomography (CT)
 - Vascular Interventional (VI)

3

All about you

- About to take the ARRT (R) exam
- May not have taken it yet
- May have taken it and failed once
- May have taken it and failed twice
- May have taken it and failed 3X
- Extremely anxious & scared
- All over the place
- Not sure how to study/prepare

4

ABOUT ME.....

- Program Director (s)
- Clinical Instructor (s)
- Tutor
- Clinical Research ACR
- Lectured at ASRT National Conference
- Past President of the PhiASRT
- Many Registry Reviews at Colleges
- Created 4 Post-Primary Courses:
 - Mammography
 - Computed Tomography,
 - Magnetic Resonance Imaging
 - Vascular Interventional Technology

5

ARE YOU READY? RADIOGRAPHY EXAM PREP

Radiography Prep Group
 Private group · 6.7K members

6

THE MOST POPULAR STUDY TOOLS:

- Rad Review Easy – On-line, book(s), flash cards
- Rad Tech Boot Camp
- Corectec
- Mosby
- Kettering Review
- X-ray Coach
- SEAL Exams
- Hesi Exams

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Reviewers

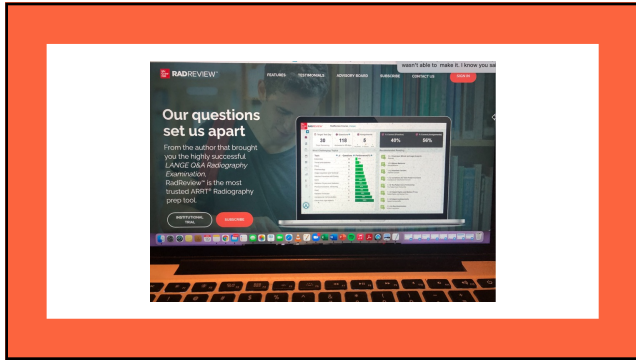
David Johnson, MS, RT(R)(MAMMOGRAPHY)
 Diagnostic Imaging Services
 Diagnostic X-Ray, Pennsylvania

Carol Pucko, MRS, RT(R)
 Clinical Coordinator Assistant Professor
 Radiologic Technology at Santa Fe Community
 Santa Fe, New Mexico

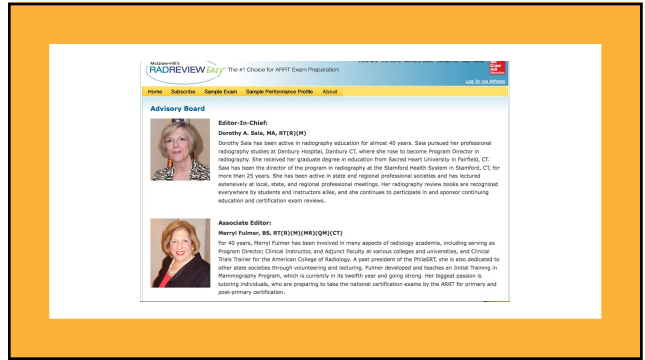
Oliver Pratt, MS, RT(R)(MAMMOGRAPHY)
 Radiologic Technology Program
 Fortis College
 Landover, Maryland

LANGE Q&A RADIOGRAPHY EXAMINATION
 12th Edition
 D.A. SMI

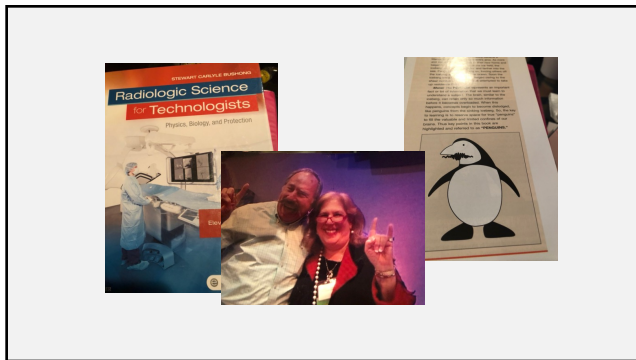
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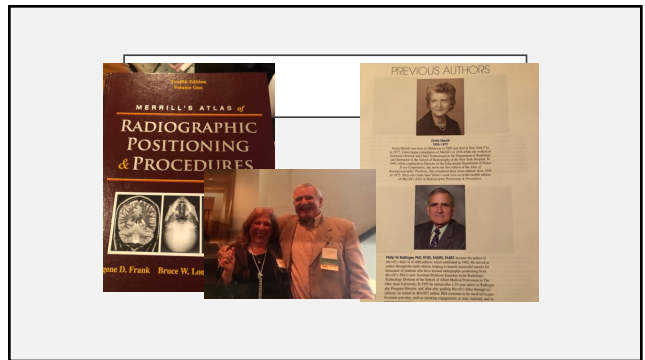
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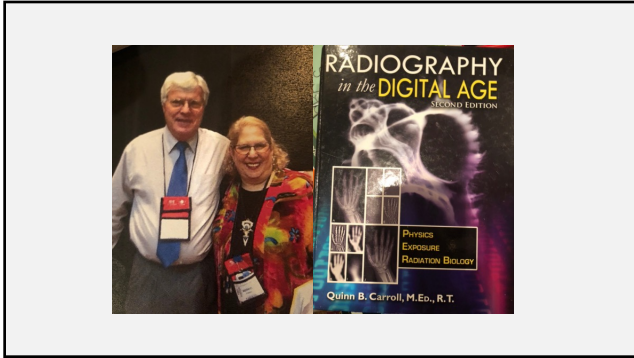
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11



12



13

Albert Einstein Hospital

- In 1975-1977
- Merryl started at Albert Einstein Medical center Staff Technologist

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**Program Director
Of Radiologic Technology Education**

- Providing Students with the ability to provide patients with high-quality care during the performance of any diagnostic radiologic procedure.

Chestnut Hill Hospital **Abington Memorial Hospital**

Lyons Technical Institute

15

SHORE MEDICAL CENTER

16

Adjunct Faculty teaching Radiology Courses



Holy Family University
 Hahnemann University
 Drexel University
 Community College of Philadelphia
 Gwynedd-Mercy College




17

Lecturer

HUP – Lecturer for the Center for Continuing Education
 RT Career Education – National Lecturer for this provider of CE
 Lecture to symposium audiences of up to 400 at numerous professional meetings locally as well as throughout the United States on a regular basis








18

ACR
 American College of Radiology

2004 through June 2009

Clinical Trials Trainer
 Passing on her knowledge to help the ACR staff within the clinical trials

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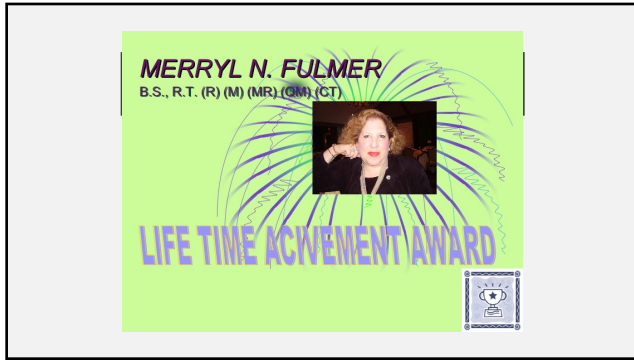
Berenice Findle Post Award
 from
 The Philadelphia Society of Radiologic Technologist

In 2001 Meryll Fulmer, B.S. RT (R)(M)(MR)(QM)(CT) received the **Berenice Findle Post Award** to formally acknowledge exceptional members for past and present merit and service to Radiologic technology in general and the PhilaSRT in particular and various areas outside the profession.





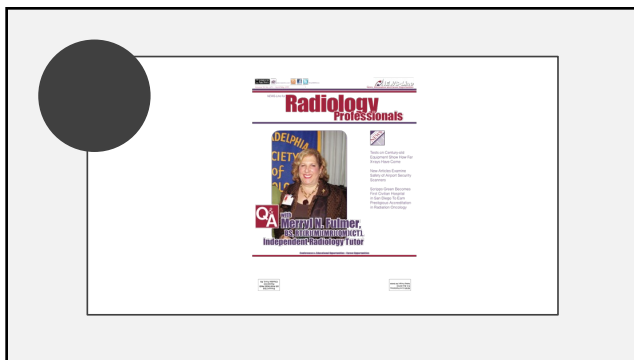

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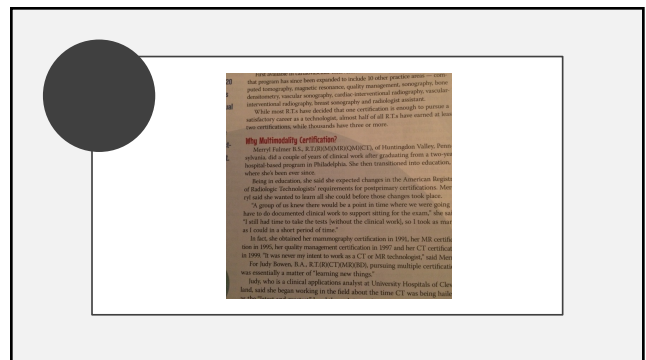
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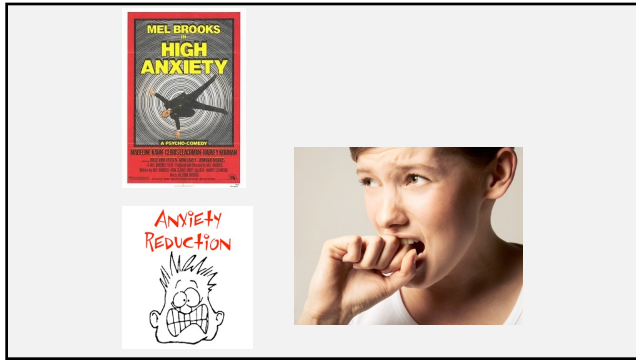
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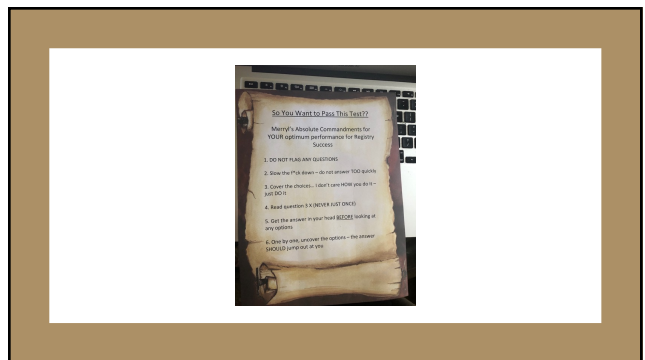
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CONTENT SPECIFICATIONS

ARRT BOARD APPROVED: JANUARY 2016
IMPLEMENTATION DATE: JANUARY 2017

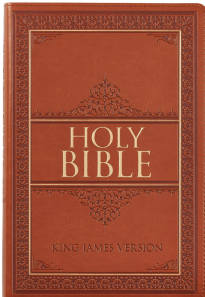
Radiography Examination

The purpose of The American Registry of Radiologic Technologists® (ARRT®) Radiography Examination is to assess the knowledge and cognitive skills underlying the intelligent performance of the tasks typically required of radiographers. Using a nationwide survey, the ARRT periodically conducts a practice analysis to develop a task inventory which delineates or lists the job responsibilities typically required of radiographers. An advisory committee then determines the knowledge and cognitive skills needed to perform the tasks on the task inventory and these are organized into the content categories within this document. The document is used to develop the examination. The results of the most recent practice analysis have been applied to this document. Every content category can be linked to one or more activities on the task inventory. The complete task inventory is available at [arrt.org](#).

The following table presents the four major content categories covered on the examination, and indicates the number of test questions in each category. The remaining pages list the specific topics addressed within each category, with the approximate number of test questions allocated to each topic (appearing in parentheses).

The document is not intended to serve as a curriculum guide. Although ARRT programs for certification and registration and educational programs may have related purposes, their functions are clearly different. Educational programs are generally broader in scope and address the subject matter that is included in these content specifications, but do not limit themselves to only this content.

Content Category	Number of Scored Questions ²
Patient Care	33
Patient Interactions and Management	
Safety	53
Radiation Physics and Radiobiology ³	
Radiation Protection	
Image Production	50



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EXAMINATION CONTENT SPECIFICATIONS

ARRT BOARD APPROVED: FEBRUARY/JANUARY 2016
IMPLEMENTATION DATE: JANUARY 2017, 2022

Radiography Examination

The purpose of The American Registry of Radiologic Technologists® (ARRT®) Radiography Examination is to assess the knowledge and cognitive skills underlying the intelligent performance of the tasks typically required of radiographers at entry into the profession. The tasks typically performed were determined by administering a comprehensive practice analysis survey to a nationwide sample of radiographers. Using a nationwide survey, the ARRT periodically conducts a practice analysis to develop a task inventory which delineates or lists the job responsibilities typically required of radiographers. An advisory committee then determines the knowledge and cognitive skills needed to perform the tasks on the task inventory and these are organized into the content categories within this document. The document is used to develop the examination. The results of the most recent practice analysis have been applied to this document. Every content category can be linked to one or more activities on the task inventory. The complete Task Inventory for Radiography is available [may be found on the ARRT website at arrt.org](#).

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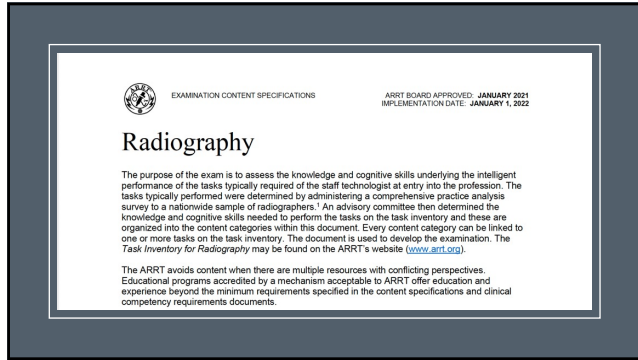
A. Ethical and Legal Aspects

1. patients' patients' rights
 - a. informed consent (e.g., written informed, oral, implied)
 - b. confidentiality (HIPAA)
 - c. American Hospital Association (AHA) Patient Care Partnership (Patient's Bill of Rights)
 1. privacy
 2. extent of care (e.g., DNR)
 3. access to information
 4. living will, health care proxy, advanced directives
 5. research participation
2. legal issues
 - a. verification (e.g., patient identification, compare order to clinical indication)
 - b. common terminology (e.g., battery, negligence, malpractice, beneficence)
 - c. legal doctrines (e.g., respondeat superior, res ipsa loquatur)
 - d. restraints versus immobilization; positioning aids used to eliminate motion artifact
3. Physical Assistance/Ergonomics and Monitoring
 1. patient transfer and movement
 - a. patient transfer techniques
 - b. patient transfer techniques/ergonomic devices (e.g., transfer board, Hoyer lift, gait belt)
 2. assisting patients with medical equipment
 - a. infusion catheters and pumps
 - b. oxygen delivery systems
 - c. other (e.g., nasogastric tubes, urinary catheters, tracheostomy tubes)
 3. routine patient monitoring and
4. pre- and post-examination instructions (e.g., preparation, diet, medications and discharge instructions)
5. respond to inquiries about other imaging modalities (e.g., CT, MRI, mammography, sonography, nuclear medicine, bone densitometry) regarding dose differences, types of radiation, patient preps)

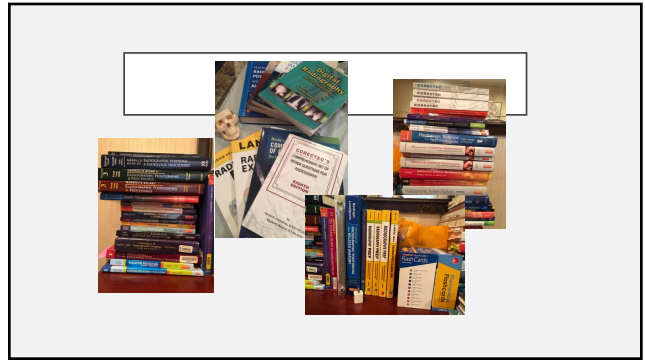
31

Content Category	Number of Scored Questions ²
Patient Care	33
Patient Interactions and Management (33)	
Safety	50 63
Radiation Physics and Radiobiology ³ (21) (26)	
Radiation Protection (29) (34)	
Image Production	51 60
Image Acquisition and Technical Evaluation (26) (21)	
Equipment Operation and Quality Assurance (25) (29)	

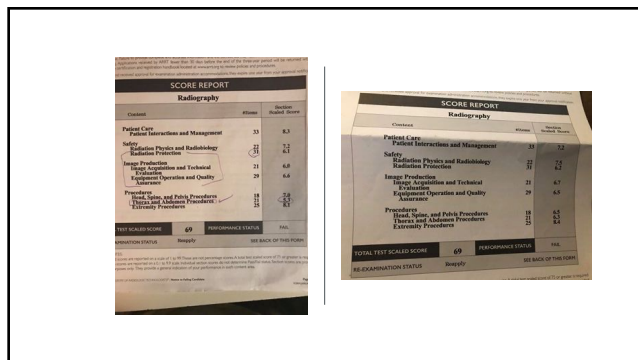
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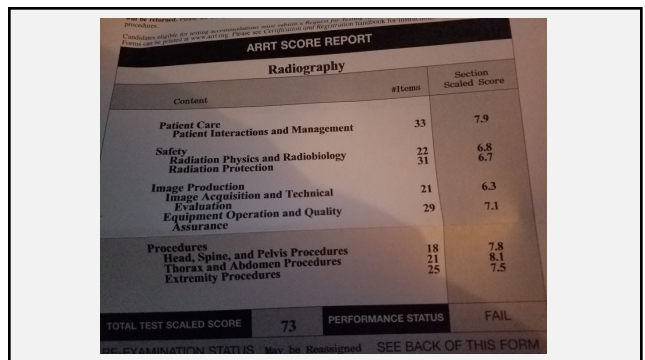
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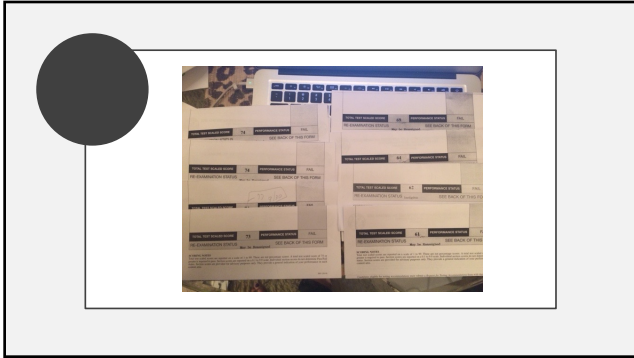
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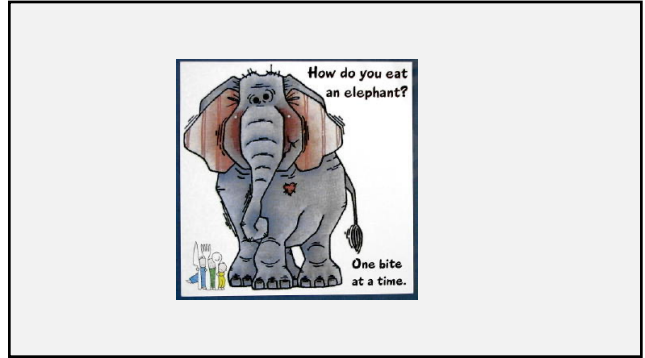
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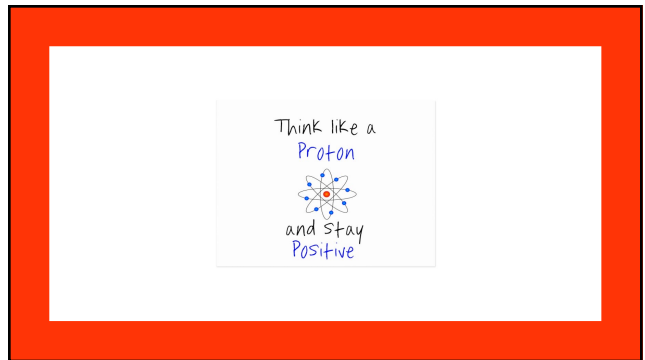
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39



40

A SAMPLE OF PRIOR SUCCESSES

- Paige 72, 74 & 86 (3rd)
- Devon 72, 72, 91 (3rd)
- Jinal 56-77 (2nd)
- Genevieve 74-77
- Corey 73-83
- Christina 74-80
- Emily 67, 68, 75
- Aslin 62 – 83
- Pam 71, 71, 82
- Natalie 69, 79 (3rd)
- Melissa 82 (1st)
- Alexis 74-84 (3rd)
- Jennifer 74-77
- Megan 74, 73, 82
- Abby 71-86
- Jackie 72, 72, 92 (3rd)
- Miriam 72-79
- Jade 74 - 82

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Section	Content	#Items	Section Scaled Score
A	Radiation Protection	45	7.1
B	Equipment Operation and Quality Control	22	3.8
C	Image Acquisition and Evaluation	45	4.3
D	Imaging Procedures	58	5.1
E	Patient Care and Education	30	7.3

TOTAL TEST SCALED SCORE: 56 PERFORMANCE STATUS: FAIL

RE-EXAMINATION STATUS: May be Retestified SEE BACK OF THIS FORM

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Section	Content	#Items	Section Scaled Score
A	Radiation Protection	45	8.1
B	Equipment Operation and Quality Control	22	7.9
C	Image Acquisition and Evaluation	45	7.7
D	Imaging Procedures	58	8.6
E	Patient Care and Education	30	7.2

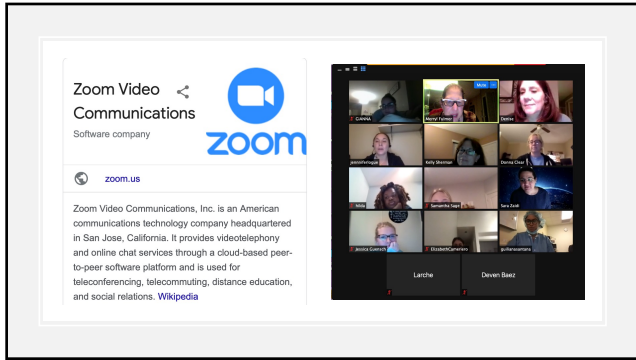
TOTAL TEST SCALED SCORE: 80 PERFORMANCE STATUS: PASS

SCORING NOTES: Section scores are reported on a scale of 1 to 99. Pass/Fail status is not determined by individual scores. They provide a general indication of your performance in each content area. Total test scaled scores are reported on a scale of 1 to 99. There are no percentage grades. A total test scaled score of 75 or greater is required to pass.

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44



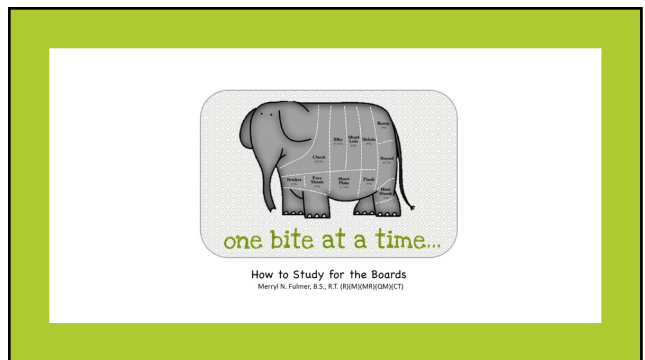
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46



47



48

Which Bite of the Elephant (Topic)?

<input type="checkbox"/> 1. Ethics & Legal	<input type="checkbox"/> 12. Image Acquisition & Technical (4)
<input type="checkbox"/> 2. Interpersonal Communications	<input type="checkbox"/> 13. Imaging Equipment (5)
<input type="checkbox"/> 3. Physical Assistance & Monitoring	<input type="checkbox"/> 14. Image Processing & Display (4)
<input type="checkbox"/> 4. Medical Emergencies	<input type="checkbox"/> 15. Criteria for Image Evaluation (4)
<input type="checkbox"/> 5. Infection Control	<input type="checkbox"/> 16. Quality Control (5)
<input type="checkbox"/> 6. Handling & Disposal of Toxic Matter	<input type="checkbox"/> 17. Head
<input type="checkbox"/> 7. Pharmacology	<input type="checkbox"/> 18. Spine & Pelvis
<input type="checkbox"/> 8. Principles of Radiation Physics (3)	<input type="checkbox"/> 19. Thorax
<input type="checkbox"/> 9. Biological Aspects of Radiation (3)	<input type="checkbox"/> 20. Abdomen, GI & GU
<input type="checkbox"/> 10. Minimizing Patient Exposure (3)	<input type="checkbox"/> 21. Upper Extremities
<input type="checkbox"/> 11. Personnel Protection (3)	<input type="checkbox"/> 22. Lower Extremities
	<input type="checkbox"/> 23. Other

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Topic _____ Date _____

<input type="checkbox"/> Rad Review Easy _____	Notes _____
<input type="checkbox"/> Lange Q & A _____	
<input type="checkbox"/> Lange Flash Cards _____	
<input type="checkbox"/> Lange Prep Book _____	
<input type="checkbox"/> Mosby _____	
<input type="checkbox"/> Kettering _____	
<input type="checkbox"/> Corectec _____	
<input type="checkbox"/> Rad Tech Boot Camp _____	
<input type="checkbox"/> X-ray Coach _____	
<input type="checkbox"/> Book(s) and other materials _____	

For each topic make a copy of this page!!!!

50

40 Hour Initial Training Fall 2021
MRI & Computed Tomography
 Saturday mornings 9:00 am - 12:00 pm
 October 2 - Dec 11, 2021

John Posh, R.T. (R)(MR)
 Renee L. Graves, R.T. (R)(CT)

All courses are approved by the ASRT for 40 CE credits
 Contact Merryl N. Fulmer, B.S., R.T. (R)(M)(MR)(QM)(CT) for more information &
 registration. www.merryfulmer.com



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Initial Training in Mammography



Fall 2021
 Our 20th Year!

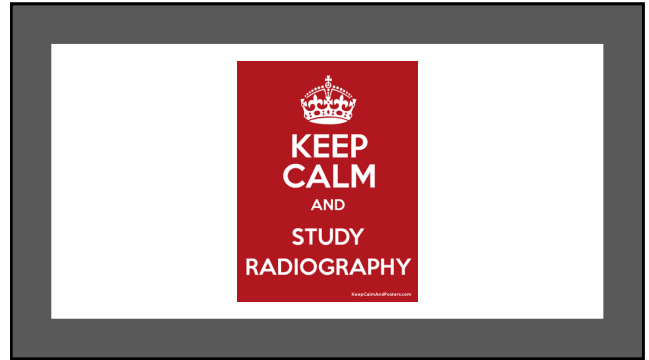
Merryl N. Fulmer, B.S., R.T. (R)(M)(MR)(QM)(CT)

Approved by the ASRT for 48 CE credits

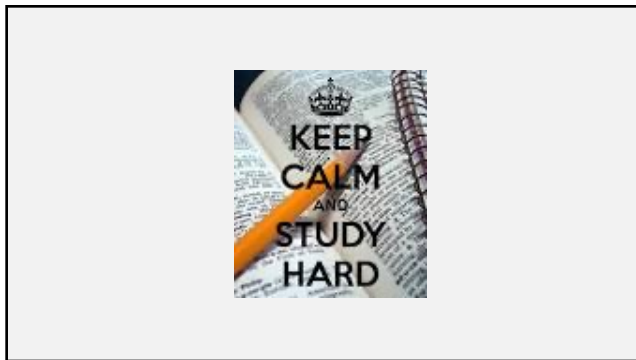
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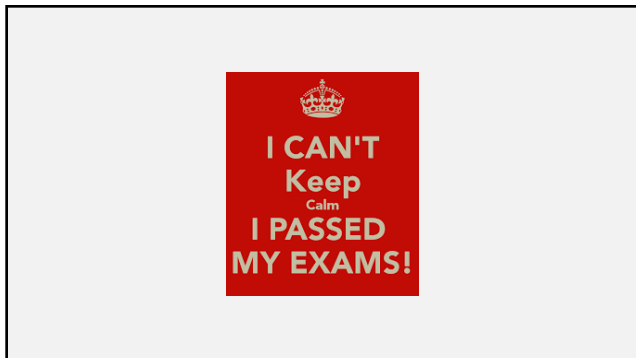
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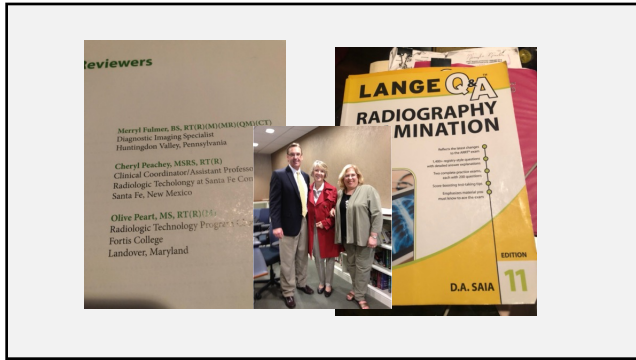
63

X-RAY ARTISTRY
SUSAN SUMMERTON, M.D.

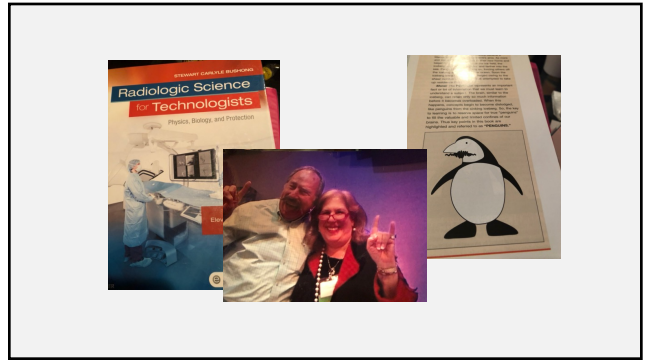
<https://xrayartistry.com>

The slide features a white box at the top with the text "X-RAY ARTISTRY" and "SUSAN SUMMERTON, M.D.". Below this is a purple logo for "X-ray ARTISTRY" and a grid of 24 small X-ray images of various anatomical parts. At the bottom, the website URL "https://xrayartistry.com" is displayed.

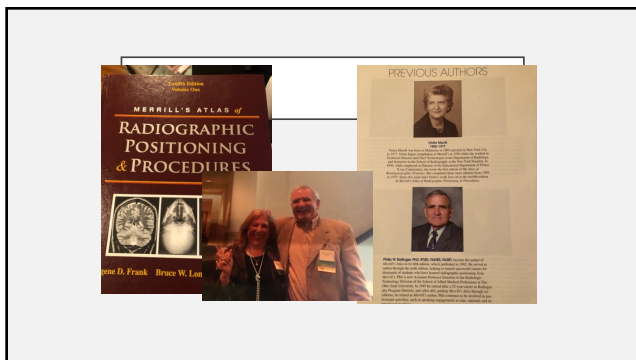
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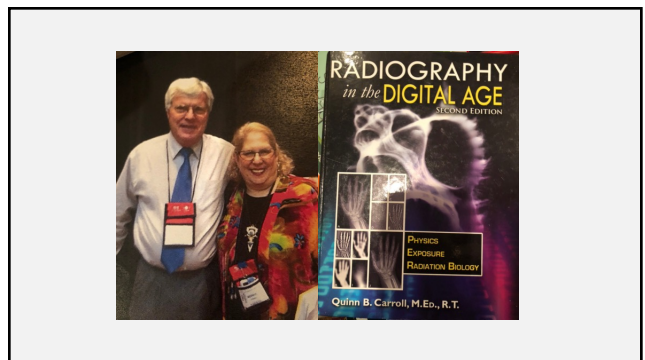
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66



67



68

- About to take the ARRT (R) exam
- May not have taken it yet
- May have taken it and failed once
- May have taken it and failed twice
- May have taken it and failed 3X
- Extremely anxious & scared
- All over the place
- Not sure how to study/prepare

69

Radiography Examination

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Content Category	Number of Scored Questions ²
Patient Care	33
Patient Interactions and Management	53
Safety	
Radiation Physics and Radiobiology ³	
Radiation Protection	
Image Production	50

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SCORE REPORT
Radiography

Content Category	Score	Percentage
Patient Care	24	73
Patient Interactions and Management	21	39
Safety	21	39
Radiation Physics and Radiobiology ³	21	39
Radiation Protection	21	39
Image Production	21	39
Total Score	105	69

SCORE REPORT
Radiography

Content Category	Score	Percentage
Patient Care	24	73
Patient Interactions and Management	21	39
Safety	21	39
Radiation Physics and Radiobiology ³	21	39
Radiation Protection	21	39
Image Production	21	39
Total Score	105	69

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A collection of various textbooks and study materials related to radiography, including titles like 'LANGE RADIOGRAPHY' and 'ARRT EXAM'.

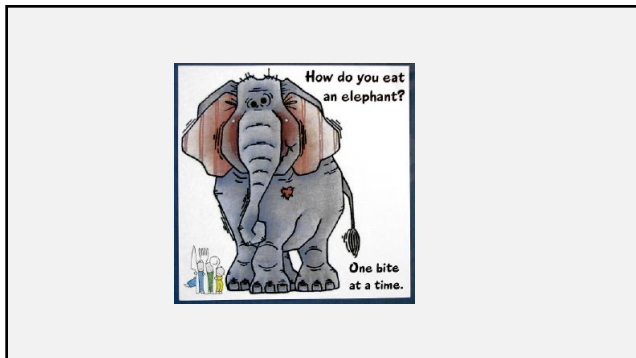
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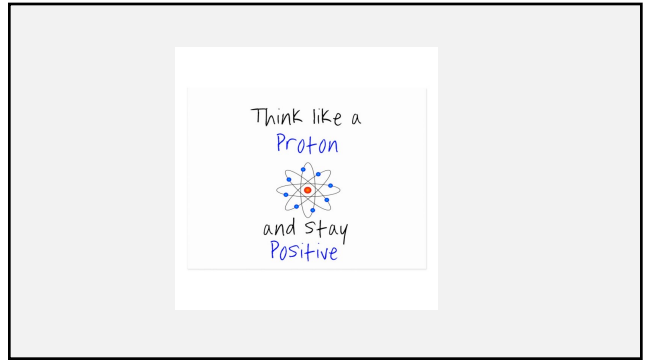
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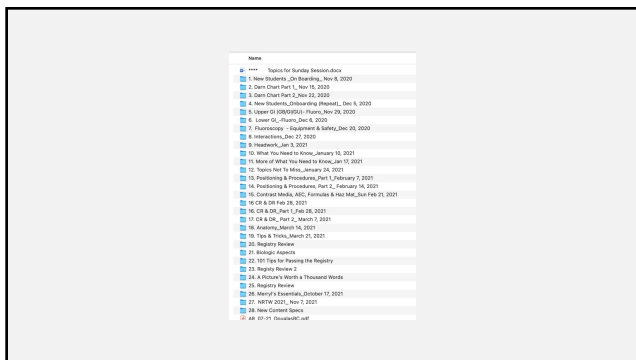
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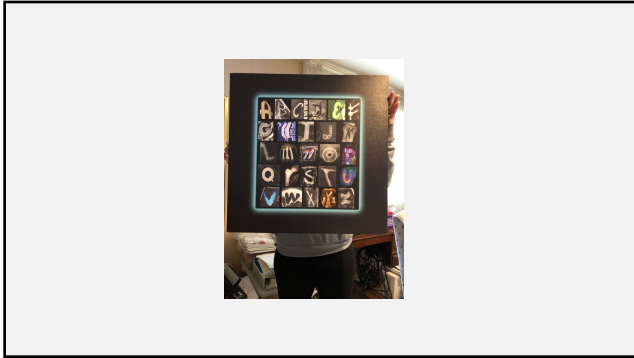
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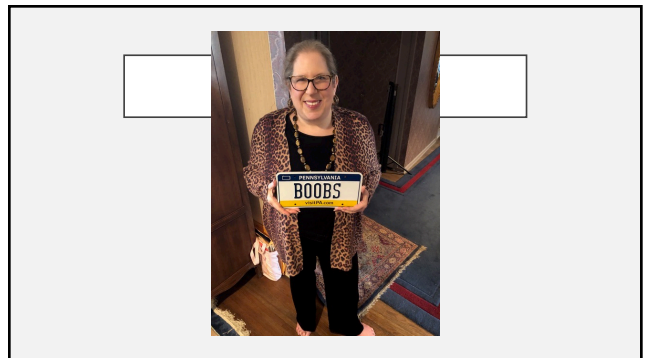


TIPS ON
SUCCESS
FOR PASSING
THE REGISTRY

Merryl N. Fulmer, B.S. R.T.
(R)(M)(MR)(QM)(CT)

The slide contains the "SUCCESS! TUTORING" logo on the left, which features a blue silhouette of a person jumping with a graduation cap. To the right is a white box with the text "TIPS ON SUCCESS FOR PASSING THE REGISTRY". Below this box is the name and credentials of Merryl N. Fulmer.

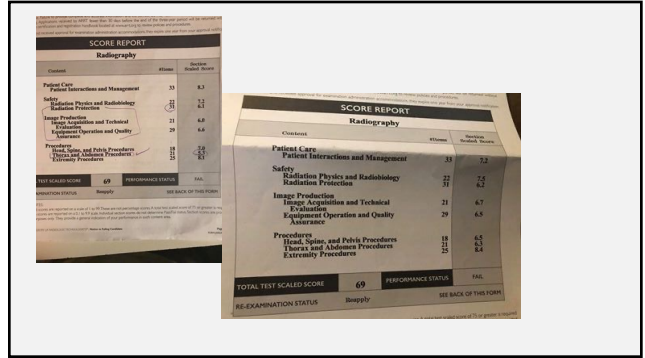
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85



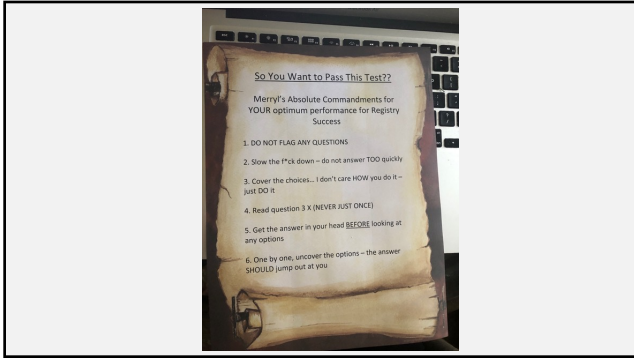
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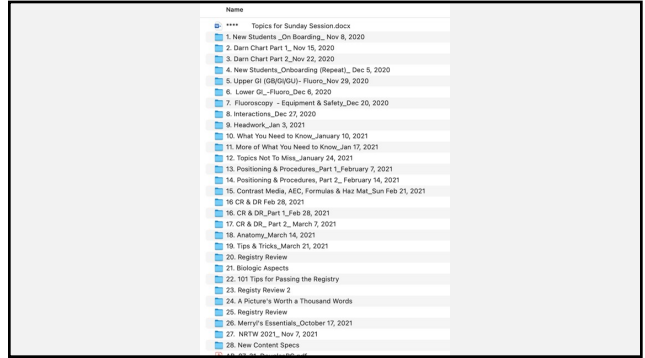
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88



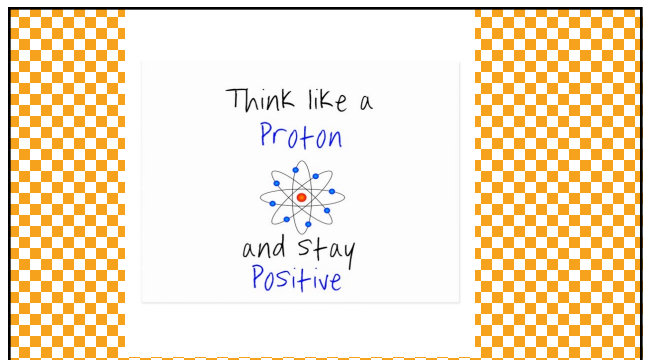
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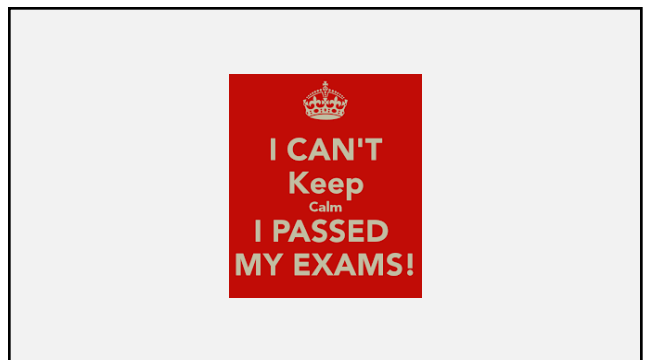
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94



95



96