

**Specialized Topics in Areas of Radiologic Sciences**

**P.O. Box 2931 Toledo, Ohio 43606 419-471-1973**

**E-mail: [info@xrayhomestudies.com](mailto:info@xrayhomestudies.com)**

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# **Chest & Abdomen**

## **Anatomy and Positioning Unit**

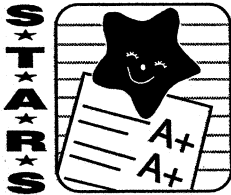
**Prepared by:**

**Carolyn J. Frigmanski, M.A., B.S.R.T. ®**

**Founder**

**Ohio Department of Health Approval for 4 continuing  
education hours.**





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Dear S.T.A.R.S. participant,

Welcome to your educational unit on anatomy and positioning that has been approved by the Ohio Department of Health. **To receive full credit, you must return ALL of the completed post tests in this unit for evaluation by a S.T.A.R.S. official.** The post tests include:

**Descriptive Terminology for Reference**

**Identified Anatomic Diagrams for Reference**

**Identified Radiographic Anatomy for Reference**

**and**

**Positioning Guide for Reference**

You will receive a signed original certificate of completion with accreditation numbers printed on it for verification of a passing score of 75% or higher on the contents of the entire unit. If you do not send in all the post tests or receive less than a 75%, a S.T.A.R.S. official will send the contents back to you for re-evaluation and return. There will be no charge for this service.

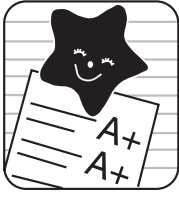
If you have any questions, feel free to contact the S.T.A.R.S. office for information.

I hope you enjoy this self-learning product and refer others to our educational services.

Sincerely,

Carolyn J. Frigmanski, M.A.,B.S.R.T. ®  
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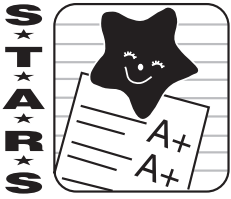
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- ❖ Please do **NOT** return the entire product! It's yours to keep except for the post test pages! I hope it will be a useful resource for you and others in your practice.
- ❖ You only need to fill out the information re: your name as you want it to appear on your certificate, your desired number i.e. social security number, last 4 digits of s.s. number or your license number; your address, etc. if the product you selected has multiple pages. You can initial the other pages and secure the group of pages with a staple so they don't become separated.
- ❖ Please use the correct postage when you return your post tests so delays are not incurred from insufficient postage.
- ❖ You can do the selected product only **ONCE**. Make other choices in the future.
- ❖ Others can share your media by ordering additional post tests at a reduced price. Group discounts are available too. Go to the **GXMO Order Form** tab for details.
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Dear GXMO/LSO/LSR participant,

**Welcome to your selected S.T.A.R.S. developed continuing education home study!**

**In the spring of 2013, The Ohio Department of Health (ODH) approved ALL of them for GXMO license renewal. Please check with your state licensing agency if you are not a licensed GXMO in Ohio to be sure your state accepts these ce credits for your state license renewal requirement.**

This product consists of a text on a desired topic and multiple question, short answer post test(s) pages. The number of Ohio Department of Health approved continuing education (ce) credits is listed on our order form. This home study product was originally developed for radiographers across the country who were registered with the American Registry of Radiologic Technologists (ARRT) and approved by the American Society of Radiologic Technologists (ASRT). Please disregard any reference to the ASRT/ARRT within this product, if any.

You must complete the reading and questions with a **75% or higher score** on the post test(s) to get your approved CE credit!

Please return all the post test pages to the **S.T.A.R.S.** address listed on our letterhead **BEFORE** your license expires. We will forward your certificate of completion on the same day your post test(s) were evaluated (except for holidays and Sundays). If you did NOT receive a 75%, we will send the pages back with the questions needing a new answer selection. Send them back for a **FREE** re-evaluation. No refund will be provided for unsatisfactory personal performance on any ce product.

Plan the return of your post test(s) pages in a timely manner. I cannot accept emailed or faxed copies since I need to retain my **ORIGINAL** records for the ODH for 3 years in case you may be audited.

Remember to get your envelope weighed at the post office whenever submitting more than 4 pages. The post office will return it to you if you have insufficient postage, thereby delaying it for my evaluation and your certificate of completion.

Feel free to contact me by email: [info@xrayhomestudies.com](mailto:info@xrayhomestudies.com) or telephone: **419 471-1973** if you have any questions. Please share with others in the future.

Thank you for selecting **S.T.A.R.S.** to meet your continuing education needs!

Sincerely,

Carolyn J. Frigmanski, M.A.,B.S.R.T. ®, Founder



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**Section: Descriptive Terminology This information is provided as hard copy in this unit.  
Define the following terminology relative to radiographic equipment & positioning.**

**Prelude to Clinical Training:**

1. collimator
2. central ray
3. image receptor
4. latent image
5. technique chart
6. patient positioning aids
7. transverse
8. longitudinal
9. kVp
10. remnant radiation

**Attachment B**

1. supine
2. decubitus
3. recumbent
4. anterior position
5. oblique position
6. caudal/caudad
7. distal
8. dorsal
9. cephalic/cephalad

10. lateral
11. medial/mesial
12. palmar
13. plantar
14. proximal
15. ventral

**Attachment D:**

1. density
2. long scale of contrast
3. film contrast
4. exposure latitude
5. subject contrast (in film radiography)
6. recorded detail
7. brightness
8. dynamic range
9. receptor contrast
10. subject contrast (in digital radiography)

Fill in the following information so that you can receive a signed certificate of completion from an official from S.T.A.R.S. when all the sections of the entire unit are completed.

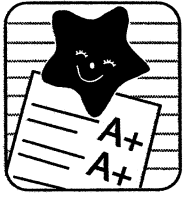
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**Section: Identified Anatomic Diagrams for Reference This information is provided as hard copy in this unit.**

1. The posterior position refers to the patient facing \_\_\_\_\_.
2. The chest is also called the \_\_\_\_\_ cavity.
3. The \_\_\_\_\_ girdle is included in abdominal anatomy.
4. The prominent anterior border of the iliac crest in positioning is abbreviated \_\_\_\_\_.
5. The sternum or breast bone consists of \_\_\_\_\_ sections.
6. The air tubules in the lung are called \_\_\_\_\_.
7. The liver, colon, stomach and bowels are all parts of the \_\_\_\_\_ system.
8. The 2 lines dividing the abdomen into 4 quadrants pass through the \_\_\_\_\_.
9. The stomach and parts of the liver are located in the \_\_\_\_\_ region.
10. The spleen is located in the \_\_\_\_\_ region.

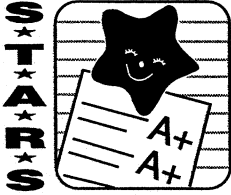
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**Section: Identified Radiographic Anatomy for Reference This information is provided as hard copy in this unit.**

1. In chest imaging, all the anatomy from the top of the lung called the \_\_\_\_\_ to the bottom of the lungs called the \_\_\_\_\_ angles must be included.
2. Superimposition of ribs, lungs and other structures exists in the \_\_\_\_\_ view.
3. A decubitus chest or abdomen means the patient is \_\_\_\_\_ on their side.
4. 2 views with different exposures are needed to evaluate ribs located \_\_\_\_\_ or \_\_\_\_\_ the diaphragm.
5. Distortion of the clavicle and chest structures occurs in \_\_\_\_\_ projections.
6. Chest obliques are usually performed with a \_\_\_\_\_ degree of body rotation.
7. An AP abdomen image must include all the upper anatomy from the level of the patient's \_\_\_\_\_ to the bottom level of the bony \_\_\_\_\_.
8. Upright abdominal films must always include the muscular structure called the \_\_\_\_\_ that separates the chest from the abdomen.
9. The \_\_\_\_\_ position of the abdomen demonstrates air-fluid levels in the patient.

Fill in the following information so that you can receive a signed certificate of completion from an official from S.T.A.R.S. when all the sections of the unit are completed.

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### Section: Positioning Guide for Reference This content is provided as hard copy in this unit.

1. Exposure should always be made on the \_\_\_\_\_ full inspiration for chest imaging.
2. Full inspiration is evaluated by demonstrating \_\_\_\_\_ number of visible ribs on the PA chest.
3. The CR is directed to the vertebral level of \_\_\_\_\_ for PA chest views.
4. Rotation on lateral projections should not exceed \_\_\_\_\_ cms. at the most.
5. The affected side is \_\_\_\_\_ to evaluate fluid in the chest in the lateral decubitus position.
6. A \_\_\_\_\_ projection is needed to evaluate the apex of the lung without superimposition of the clavicles.
7. Bilateral \_\_\_\_\_ positions may be ordered to evaluate the size and contours of the heart and great vessels.
8. Suspend respiration on \_\_\_\_\_ for ribs above the diaphragm.
9. For a KUB, the CR is perpendicular at the level of the \_\_\_\_\_.
10. The recommended kVp for abdominal imaging is \_\_\_\_\_.

Fill in the following information so that you can receive a signed certificate of completion from an official from S.T.A.R.S. when all the sections of the unit are completed.

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