This document identifies the clinical experience required for certification. ARRT encourages individuals to obtain education and experience beyond these minimum requirements.

Directions

1. **Perform the Procedures:** Candidates are required to perform clinical procedures according to the Specific Procedural Requirements and selected from the list of procedures which are listed within this document. All procedures must be performed within the 24 month period immediately preceding the date of the candidate’s signature on the application for certification. Repetitions may be completed in less than 24 months.

2. **Document Performance:** Candidates must use the following *Clinical Experience Documentation Form* or a reasonable facsimile to record the performance of each of the procedures. The procedures should be listed according to the Clinical Experience Requirements outline and like procedures should be grouped together. Documentation must include: name of procedure, date performed, time of day completed, facility where performed, and the initials of the person verifying performance. The “Verified By” column on the form must be initialed by an ARRT Registered Technologist or a licensed physician and must match the Verification Identification Page at the end of this document. The name and address of the person corresponding to each set of initials must also be provided on last page of the form. Registered Technologists must provide the address that is on file with the ARRT.

3. **Apply for Certification:** When applying for certification, candidates must complete the verification section of the application to attest to the completion of the clinical experience requirements. The application must be signed and dated no more than six months prior to receipt at the ARRT office. Mail only the application for certification to the ARRT; do not send the *Clinical Experience Documentation Form* to ARRT with the application. Submitting false documentation to ARRT as part of the application process is a violation of ARRT Standards of Ethics and may result in sanctions up to and including revocation of ARRT certification in all disciplines and ineligibility for any additional ARRT certifications.

4. **Maintain Your Records:** Candidates must keep the *Clinical Experience Documentation Form* for at least 24 months after the date that the application is signed. The ARRT conducts audits of some applications for certification. Candidates who are audited will be required to send the *Clinical Experience Documentation Form* to ARRT. Additional documentation may be required from individuals who are audited.

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* The ARRT periodically updates the clinical experience requirements, and future requirements may be different from those specified in this document. Candidates are responsible for meeting the requirements in force at the time of application.
Specific Procedural Requirements

The Clinical Experience Requirements for MRI consist of 53 procedures in 7 different categories. The 7 categories include:

A. Head and Neck
B. Spine
C. Thorax
D. Abdomen and Pelvis
E. Musculoskeletal
F. Special Imaging Procedures
G. Quality Control

Candidates must document the performance of complete, diagnostic quality procedures according to the following rules:

1. Choose a minimum of 5 categories.
2. Choose a minimum of 4 different procedures from the selected categories.
3. Complete a minimum of 3 and a maximum of 10 repetitions on any chosen procedure.
4. Complete a minimum total of 120 repetitions across all procedures.

Examples

A candidate who works in a specialized setting wanted to complete the minimum number of procedures. This person chose 4 procedures from each of 5 categories, for a total of 20 different procedures. To complete 120 repetitions, each of the 20 procedures were performed an average of 6 times each. Although a few of the procedures were performed only 3 times (the minimum), several others were completed 10 times (the maximum). This candidate satisfied all 4 rules.

Another candidate works in a facility that does most types of MRI scans, so completing a wide variety of procedures was quite feasible. This candidate completed a total of 30 procedures from all 7 categories. Although most of these procedures were performed 3 times (the minimum), several of them were performed 4, 5, or 6 times each until the candidate reached 120 procedures. This candidate satisfied all 4 rules.
To qualify as a complete, diagnostic quality MRI procedure, the candidate must demonstrate appropriate:

- evaluation of requisition and/or medical record
- identification of patient
- documentation of patient history including allergies
- safety screening and patient education concerning the procedure
- patient care and assessment
- preparation of examination room
- select optimal imaging coil
- patient positioning
- protocol selection
- parameter selection
- image display, filming, and archiving
- documentation of procedure and patient data in appropriate records
- patient discharge with post-procedure instructions
- standard precautions
- MRI safety procedures and precautions
- initiate scan

and evaluate the resulting images for:

- image quality
- optimal demonstration of anatomic region
- proper identification on images and patient data
- exam completeness
Magnetic Resonance Imaging
Clinical Experience Requirement Procedures

A. Head and Neck
   1. routine brain
   2. internal auditory canal
   3. orbit
   4. pituitary
   5. vascular head
   6. cranial nerves
   7. posterior fossa
   8. head trauma
   9. sinuses
  10. soft tissue neck
  11. vascular neck

B. Spine
   1. thoracic
   2. lumbar
   3. cervical
   4. sacrum / coccyx
   5. spinal trauma
   6. bony pelvis

C. Thorax
   1. brachial plexus
   2. mediastinum
   3. cardiovascular
   4. breast
   5. aorta
   6. heart and great vessels

D. Abdomen and Pelvis
   1. liver / spleen / pancreas*
   2. kidneys
   3. adrenals
   4. MRCP
   5. vascular
   6. male pelvis
   7. female pelvis

E. Musculoskeletal
   1. elbow
   2. wrist / hand
   3. hip
   4. ankle
   5. shoulder
   6. foot
   7. long bones
   8. knee

F. Special Imaging Procedures
   1. MRV
   2. 3-D volume reformation
   3. multiplanar reformation
   4. diffusion
   5. echo planar imaging
   6. CINE
   7. vascular (iliac, runoff)
   8. spectroscopy
   9. other (e.g., functional MRI)

G. Quality Control
   1. signal to noise
   2. center frequency
   3. film quality control (processor sensitometry, SMPTE pattern)
   4. transmitter gain or attenuation
   5. geometric accuracy
   6. equipment inspection (e.g., coils, cables, door seals)

* Note – A study on any of these structures (liver or spleen or pancreas) counts as one repetition of the procedure.
Clinical Experience Documentation Form – Magnetic Resonance Imaging

*Procedures should be organized as presented in this Clinical Experience Requirements Document. Like procedures must be grouped together.*

Candidate Name: ______________________ ARRT #: ______________________

<table>
<thead>
<tr>
<th>Category and Procedure Performed</th>
<th>Date mm/dd/yy</th>
<th>Time of Day</th>
<th>Facility Name</th>
<th>Verifier Initials</th>
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<td><strong>Example:</strong> Head and Neck</td>
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The previous pages of the *Magnetic Resonance Imaging Clinical Experience Documentation Form* require only that the initials of the person verifying performance of a procedure be listed. On this page, provide the full name and mailing address to match the initials corresponding to the verifier for each procedure to completely identify each person whose initials appear on the form. These individuals may be contacted as a part of the audit process.

<table>
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