



Sonography

Candidates for certification and registration are required to meet the Professional Requirements specified in the *ARRT Rules and Regulations*. ARRT's Sonography Clinical Experience Requirements describe the specific eligibility requirements that must be documented as part of the application for certification and registration process.

The purpose of the clinical experience requirements is to verify that candidates have completed a subset of the clinical procedures within a discipline. Successful performance of these fundamental procedures, with mastery of the cognitive knowledge and skills covered by the examination provides the basis for the acquisition of the full range of clinical skills required in a variety of settings.

The job responsibilities typically required of staff sonographers are delineated through a periodic practice analysis. This results in a "task inventory." An advisory committee then determines the number of clinical procedures required to demonstrate adequate candidate experience in performing the tasks on the inventory.

Candidates for Sonography certification and registration must document performance of a minimum of 1,372 repetitions of sonography procedures according to the criteria noted below. Procedures are documented, verified and submitted when complete via an online tool accessible through My ARRT Info account on arrt.org. ARRT encourages individuals to obtain education and experience beyond these minimum requirements.

Completion of each procedure must be verified by a certified and registered technologist, certified sonographer, supervisor or licensed physician. The verification process is described within the online tool.

Specific Procedural Requirements

A. Mandatory Procedures

- Candidates must demonstrate experience in all of the 17 mandatory procedures.
- At least 12 of the 17 mandatory procedures must be demonstrated on patients (not simulated).
- Simulations may not be used for procedures marked with an asterisk. Simulation is defined as performance of a procedure protocol with actual imaging being done on a volunteer.

B. Elective Procedures

- Candidates must demonstrate experience in at least six of 16 elective procedures.
- The six elective procedures may be simulated except that simulations may not be used for procedures marked with an asterisk.



General Guidelines

An examination on one patient may be used for documentation of several procedures. To qualify as a complete diagnostic quality imaging procedure, the candidate must demonstrate appropriate:

- evaluation of requisition and/or medical record
- preparation of examination room
- CDC Standard Precautions
- identification of patient
- patient assessment and education concerning the procedure
- patient positioning
- protocol selection
- image optimization (e.g., transducer selection, focal zone, FOV)
- image archiving
- image quality (e.g., artifacts)
- demonstration of anatomic region and pathology
- documentation of procedure and patient data in appropriate record

| Abdomen Studies | Mandatory | Elective |
|---------------------------------------|------------------|-----------------|
| Liver | 150 | |
| Gallbladder/biliary tract/CBD | 150 | |
| Pancreas | 150 | |
| Spleen | 50 | |
| GI tract | | 5 |
| Kidneys | 150 | |
| Adrenals | | 5 |
| Bladder | 35 | |
| Lymph nodes | | 5 |
| Prostate | | 5 |
| Aorta | 100 | |
| IVC | 50 | |
| Vasculature | | 5 |
| Superficial Structures Studies | Mandatory | Elective |
| Abdominal wall | | 5 |
| Scrotum and testis | 25 | |
| Breasts | 25 | |
| Superficial masses | | 5 |
| Thyroid | 25 | |
| Musculoskeletal | | 5 |



| Gynecology Studies | Mandatory | Elective |
|--|------------------|-----------------|
| Uterus | 125 | |
| Adnexa | 125 | |
| Obstetrics Studies | Mandatory | Elective |
| First trimester* | 75 | |
| Second or third trimester* | 125 | |
| Fetal biophysical profile* | | 5 |
| Amniocentesis* | | 5 |
| Interventional Studies | Mandatory | Elective |
| Biopsy* | | 5 |
| Aspiration* | | 5 |
| Drainage procedures* | | 5 |
| Sterile techniques | | 3 |
| Pediatric Studies (head, spine, hips, pyloric stenosis) | | 5 |
| Vascular Studies (venous extremity Doppler, carotid Doppler, post catheterization complication) | | 5 |
| Equipment Care | Mandatory | Elective |
| Prepare transducer for intracavitary use | 3 | |
| Clean and disinfect transducer | 3 | |

* Simulations may not be used for procedures marked with an asterisk