



# 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, in combination 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 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 1,181 repetitions of sonography procedures according to the criteria noted below. Procedures are documented, verified, and submitted when complete via an online tool accessible through your online account at [arrt.org](http://arrt.org). ARRT encourages individuals to obtain education and experience beyond these minimum requirements.

Completion of each procedure must be verified by an ARRT 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 17 mandatory procedures by completing the specified number of repetitions.
- At least 50% of the repetitions on each of the mandatory procedures must be demonstrated on patients, while the remainder can be performed using volunteers for simulation as long as your institution has a policy that assures the protection of both the volunteer's and institution's interest.

### B. Elective Procedures

- Candidates must demonstrate experience in at least six of the 19 elective procedures by completing the specified number of repetitions.
- At least 50% of the repetitions on each of the elective procedures must be demonstrated on patients, while the remainder can be performed using volunteers for simulation as long as your institution has a policy that assures the protection of both the volunteer's and institution's interest.



## 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, field of view)
- image archiving
- image quality (e.g., artifacts)
- demonstration of anatomic region and pathology
- documentation of procedure and patient data in appropriate record
- assurance of exam completeness

<b>Abdomen</b>	<b>Mandatory</b>	<b>Elective</b>
Liver	125	
Gallbladder/biliary tract/CBD	125	
Pancreas	125	
Spleen	50	
Gastrointestinal tract (e.g., appendix)		5
Kidneys	150	
Adrenals		5
Bladder	35	
Lymph nodes		5
Prostate		10
Aorta	35	
IVC	20	
Main portal vein	30	
Vasculature (e.g., hepatic, renal, aortic branches)		15
Abdominal wall (e.g., hernia)		5
<b>Superficial Structures</b>	<b>Mandatory</b>	<b>Elective</b>
Scrotum and testes	25	
Breasts and axilla		15
Superficial masses		5
Thyroid	25	
Salivary glands/parotid glands		5
Musculoskeletal		10
Non-cardiac chest (e.g., pleural space, lung)		5

\* The abbreviation "e.g.," is used to indicate that examples are listed in parenthesis, but that it is not a complete list of all possibilities.



<b>Gynecology</b>	<b>Mandatory</b>	<b>Elective</b>
Uterus	75	
Adnexa (including ovaries)	125	
<b>Obstetrics</b>	<b>Mandatory</b>	<b>Elective</b>
First trimester*	100	
Second trimester*	100	
Third trimester*		25
Fetal biophysical profile*		5
<b>Interventional</b>	<b>Mandatory</b>	<b>Elective</b>
Biopsy*		5
Aspiration*		5
Drainage procedures*		5
Sterile techniques		5
<b>Other</b>	<b>Mandatory</b>	<b>Elective</b>
Pediatric studies (e.g., head, spine, hips, pyloric stenosis, bowel)		15
Vascular studies (venous extremity Doppler, carotid Doppler, post catheterization complication)		15
<b>Equipment Care</b>	<b>Mandatory</b>	<b>Elective</b>
Prepare transducer for intracavitary use	3	
Clean and disinfect transducer	3	

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