

Quality Improvement Assessment Questions

Vascular: Intracranial Cerebrovascular Testing

Answer the questions below by reviewing the images and final report for a given case study. It is recommended that any discrepancies noted in the assessment be reviewed and shared with medical and technical staff members. The assessment is provided to assist the facility in furthering its ongoing Quality Improvement (QI) process.

For the purposes of Quality Improvement (QI), annual case study self-assessment must be sufficient to ensure the achievement of continuous actions that lead to measurable improvement in the imaging examinations performed in the facility. To attain maximum benefit to the facility, a minimum of 30 case assessments is strongly recommended. However, for facilities with lower procedure volumes, 5% of the facility's testing volume is encouraged.

Note: Although the case may be in compliance with the IAC Standards based on your assessment, there may be opportunity for improvement.

I. Test appropriateness

Given the clinical indication, is the examination appropriate?

- Appropriate/usually appropriate
 May be appropriate
 Rarely appropriate/usually not appropriate

Comments:

II. Technical quality review

1. Is this a complete examination? Yes No
 2. Does the case study document all required waveforms (either CW or PW) as per the Standards? [Part B, 2.7B](#) Yes No
 3. Are the Doppler waveform(s) of diagnostic quality? Yes No
 4. Are the ultrasound images (if performed) of diagnostic quality? Yes No N/A
 5. Does the case study document all the required ultrasound images (if performed) as per the Standards? [Part B, 2.7B](#) Yes No N/A
 6. Is appropriate transducer positioning and proper depth demonstrated for the vessels assessed? [Part B, 2.2.1.3B](#) Yes No
 7. Was the examination of diagnostic quality? Yes No
- Could the technical quality of this case have been improved?** Yes No

Comments:

III. Interpretive quality review

1. Does the facility use published, validated diagnostic criteria? [Part A, 3.4A](#) Yes No
 2. Does the final report adhere to the diagnostic criteria? Yes No
 3. Does the interpretation appear accurate? Yes No
- Could the interpretive quality of this case have been improved?** Yes No

Comments:

IV. Report completeness and timeliness

1. Are all the required demographics documented as required by the Standards? [Part A, 3.2A](#) Yes No
 2. Is there a description of the examination performed? [Part A, 3.2.6.4A](#) Yes No
 3. Does the report document pertinent positive and negative findings? [Part A, 3.2.6.5A](#) Yes No
 4. Is there a summary (impression/conclusion) of the examination findings? [Part A, 3.2.6.9A](#) Yes No
 5. Is the final report signed and dated by the interpreting physician? [Part A, 3.2.6.11A](#) and [Part A, 3.2.6.12A](#) Yes No
 6. Is the interpretation completed within two business days and the final report completed within four business days? [Part A, 3.2.7A](#) Yes No
- Could the report completeness and timeliness of this case have been improved? Yes No

Comments:

V. Case review

- Was this case reviewed with any appropriate imaging modality, surgical findings, clinical outcome or other comparison? [Part C, 2.1.5C](#) Yes No

Comments: