

## Quality Improvement Assessment Questions

### Cardiovascular Catheterization: Structural Heart Interventions

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 analysis be reviewed and shared with medical, nursing and technical staff members. The analysis is provided to assist the facility in furthering its ongoing Quality Improvement (QI) process.

#### I. Test appropriateness

With the clinical information provided, was the procedure ordered for an appropriate indication? [Part C, 2.1.1C](#)

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

Comments:

#### II. Technical quality review

1. Does the study demonstrate adequate pre-intervention imaging of the affected anatomy? [Part B, 1.9.1.3B xv](#)  Yes  No
2. Does the study demonstrate adequate peri-procedural imaging of the affected anatomy to include angiography and ultrasound? [Part B, 1.9.1.3B xv](#)  Yes  No
3. Does the study demonstrate adequate post-intervention imaging of the affected anatomy? [Part B, 1.9.1.3B xv](#)  Yes  No  N/A
4. When applicable, are measurements accurately performed? [Part B, 1.9.1.3B xviii](#)  Yes  No  N/A
5. Overall, is the image quality adequate (e.g., appropriate positioning, collimation, contrast enhancement)? [Part B, 1.9.1.3B xv](#)  Yes  No

**Are the images of diagnostic quality?**  Yes  No

**Could the technical quality of this procedure have been improved?**  Yes  No

Comments:

#### III. Safety and procedural outcomes

1. Was a "Time-Out" for proper patient and procedure identification performed and documented? [Part B, 1.2.3B](#)  Yes  No
2. Was a "Fire Safety Evaluation" performed and documented (must be performed when patient receives general anesthesia)? [Part B, 1.2.5B](#)  Yes  No  N/A
3. Did the physician procedural report document complication/adverse outcome(s)? [Part B, 1.9.3.5B](#)  Yes  No
4. Did the physician procedural report contain one or more internal inconsistencies? [Part B, 1.9.3B](#)  Yes  No
5. Was fluoroscopic exposure documented (e.g., fluoroscopy time, radiation dose, dose-area product)? [Part B, 1.9.1.3B xv](#) (NQF measure #145)  Yes  No
6. Fluoro time \_\_\_\_\_ minutes
7. Dose Area Product (DAP) \_\_\_\_\_ mGy cm<sup>2</sup>

Comments:

#### IV. Interpretive quality review

1. Did the physician procedural report include all positive and negative findings? [Part B, 1.9.3.5B](#)  Yes  No
  2. Did the physician procedural report accurately describe the pre-intervention anatomy/function of the affected anatomy? [Part B, 1.9.3.3B i](#)  Yes  No
  3. When applicable, did the physician procedural report accurately report the degree of pre- and post-procedure stenosis and/or regurgitation and/or shunt velocities? [Part B, 1.9.3.3B xii](#)  Yes  No  N/A
  4. Did the physician procedural report accurately describe the technical components of the procedure (e.g., vascular access sites, catheter placement(s), intervention(s), etc.)? [Part B, 1.9.3.2B](#)  Yes  No
  5. Did the physician procedural report include all clinically significant findings?  Yes  No
- Was there variability between the original interpretation and the over read/peer review interpretation?  Yes  No
- Could the interpretive quality of this procedure have been improved?  Yes  No

Comments:

#### V. Report completeness and timeliness

1. Did the physician procedural report include an indication for the study? [Part B, 1.9.3.1B v](#)  Yes  No
  2. When applicable, did the physician procedural report include a description of the devices used (e.g., size, type, manufacturer, etc.)? [Part B, 1.9.3.3B vii](#)  Yes  No  N/A
  3. Did the physician procedural report include a summary of the function of the left ventricle? [Part B, 1.9.3.3B iv](#)  Yes  No
  4. Did the physician procedural report include the post-intervention result? [Part B, 1.9.3.3B vi](#)  Yes  No
  5. Was the study interpreted within the required time? [Part B, 1.5.3B](#)  Yes  No
  6. Was the final report generated within the required time? [Part B, 1.5.3B](#)  Yes  No
- Was the report complete? [Part B 1.9B](#)  Yes  No
- Was the final report completed in a timely manner? [Part B, 1.5.3B](#)  Yes  No

Comments: