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

<table>
<thead>
<tr>
<th>Question</th>
<th>Part C, 2.1.1C</th>
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<tbody>
<tr>
<td>With the clinical information provided, was the procedure ordered for an appropriate indication?</td>
<td>○ Appropriate/usually appropriate  ○ May be appropriate  ○ Rarely appropriate/usually not appropriate</td>
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</tbody>
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Comments:

II. Technical quality review

1. Does the study demonstrate adequate pre-intervention imaging of the affected anatomy? | ○ Yes  ○ No |

Part B, 1.9.1.3B xv

2. Does the study demonstrate adequate peri-procedural imaging of the affected anatomy to include angiography and ultrasound? | ○ Yes  ○ No |

Part B, 1.9.1.3B xv

3. Does the study demonstrate adequate post-intervention imaging of the affected anatomy? | ○ Yes  ○ No  ○ N/A |

Part B, 1.9.1.3B xv

4. When applicable, are measurements accurately performed? | ○ Yes  ○ No  ○ N/A |

Part B, 1.9.1.3B xviii

5. Overall, is the image quality adequate (e.g., appropriate positioning, collimation, contrast enhancement)? | ○ Yes  ○ No |

Part B, 1.9.1.3B xv

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? | ○ Yes  ○ No |

Part B, 1.2.3B

2. Was a “Fire Safety Evaluation” performed and documented (must be performed when patient receives general anesthesia)? | ○ Yes  ○ No  ○ N/A |

Part B, 1.2.5B

3. Did the physician procedural report document complication/adverse outcome(s)? | ○ Yes  ○ No |

Part B, 1.9.3.5B

4. Did the physician procedural report contain one or more internal inconsistencies? | ○ Yes  ○ No |

Part B, 1.9.3B

5. Was fluoroscopic exposure documented (e.g., fluoroscopy time, radiation dose, dose-area product)? | ○ Yes  ○ No |

Part B, 1.9.1.3B xv (NQF measure #145)

Fluoro time ________ minutes

Dose Area Product (DAP) ________ mGy cm²
### 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  
   - [ ] 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 xi  
   - [ ] 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

### 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: