Anomalous Aortic Origin of a Coronary Artery (AAOCA) Study

AAOCA Data Entry Work Sheets

Institutional Screening Number: ____________

For CHSS Data Center use only:  Study Number: ____________

Type of Report:  
 Echo □  Surgery □  Cath □  MRI □  CT □  Autopsy □

Date of Study:  ____/____/______ (mm/dd/yyyy)

Abstracted by:  ________________________________

Instruction for filling out the atomization form:

1. Use ‘Yes’ or ‘No’ when you can clearly document.

2. Use ‘Unable to determine’ when it is not certain if the data field (e.g. slit like orifice or high ostial take-off) is clearly identifiable.

3. Use ‘N/A’ or ‘Not Available’ when the information is not available.
Diagram of your patient: Please make a simple diagram of the coronary anatomy using the schematic below. A simple line can be used to connect the myocardial territory with the appropriate sinus.
Anomalous Aortic Origin of a Coronary Artery (AAOCA) Study
AAOCA Data Entry Work Sheets

Institutional Screening Number: ____________

For CHSS Data Center use only: Study Number: ____________

Surgical and Image Coronary Pattern diagrams may be found at http://www.chssdc.org/studies

Use the diagrams to describe the correct number and type of orifices.

Right Coronary Sinus:

Grade 1 □  Grade 2 □  Grade 3 □  Grade 4 □  Unable to determine □  N/A □

Left Coronary Sinus:

Grade 1 □  Grade 2 □  Grade 3 □  Grade 4 □  Unable to determine □  N/A □

Non-coronary Sinus:

Grade 1 □  Grade 2 □  Grade 3 □  Grade 4 □  Unable to determine □  N/A □

Grade 1
Two separate orifices, located within the same sinus

Grade 2
Two separate orifices, confluent (located immediately adjacent to each other) within the same sinus

Grade 3
Single orifice within the sinus, immediate bifurcation within the Aortic wall to give rise to two major coronary arteries.

Grade 4
Single orifice within the sinus, that bifurcates into two major coronary arteries outside the aorta (beyond the confines of the aortic wall).
**DESCRIPTION OF CORONARY DISTRIBUTION**

### Sinus of Origin

<table>
<thead>
<tr>
<th></th>
<th>Lt Sinus</th>
<th>Rt Sinus</th>
<th>NC Sinus</th>
<th>Unable to determine</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMCA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RCA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circumflex</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Slit-like Orifice

<table>
<thead>
<tr>
<th>Coronary Artery</th>
<th>Yes</th>
<th>No</th>
<th>Unable to determine</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left Main Coronary Artery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Right Coronary Artery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAD Coronary Artery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circumflex Coronary Artery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### High Ostial Take-off

<table>
<thead>
<tr>
<th>Coronary Artery</th>
<th>Yes</th>
<th>No</th>
<th>Unable to determine</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left Main Coronary Artery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Right Coronary Artery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAD Coronary Artery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circumflex Coronary Artery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Acute Angulation (Diagram 3)

Left Main Coronary Artery
- Yes [ ]
- No [ ]
- Unable to determine [ ]
- N/A [ ]

Right Coronary Artery
- Yes [ ]
- No [ ]
- Unable to determine [ ]
- N/A [ ]

LAD Coronary Artery
- Yes [ ]
- No [ ]
- Unable to determine [ ]
- N/A [ ]

Circumflex Coronary Artery
- Yes [ ]
- No [ ]
- Unable to determine [ ]
- N/A [ ]
Intramural Course (Diagram 4)

Left Main Coronary Artery
- Yes ☐
- No ☐
- Unable to determine ☐
- N/A ☐

Right Coronary Artery
- Yes ☐
- No ☐
- Unable to determine ☐
- N/A ☐

LAD Coronary Artery
- Yes ☐
- No ☐
- Unable to determine ☐
- N/A ☐

Circumflex Coronary Artery
- Yes ☐
- No ☐
- Unable to determine ☐
- N/A ☐

DIAGRAM 4
Example of an intramural course: The coronary vessel passes obliquely through the aortic wall for a distance which is greater than the diameter of the coronary artery.
Anomalous Aortic Origin of a Coronary Artery (AAOCA) Study

AAOCA Data Entry Work Sheets

Institutional Screening Number: __________

For CHSS Data Center use only:  Study Number: __________

Length of Intramural Course (in mm)

Left Main Coronary Artery  __________ mm
Right Coronary Artery  __________ mm
Left Anterior Descending Coronary Artery  __________ mm
Circumflex Coronary Artery  __________ mm

Interarterial Course

Left Main Coronary Artery  Yes □ No □ Unable to determine □ N/A □
Right Coronary Artery  Yes □ No □ Unable to determine □ N/A □
LAD Coronary Artery  Yes □ No □ Unable to determine □ N/A □
Circumflex Coronary Artery  Yes □ No □ Unable to determine □ N/A □

Intraconal or Intraseptal Course

Left Main Coronary Artery  Yes □ No □ Unable to determine □ N/A □
Right Coronary Artery  Yes □ No □ Unable to determine □ N/A □
LAD Coronary Artery  Yes □ No □ Unable to determine □ N/A □
Circumflex Coronary Artery  Yes □ No □ Unable to determine □ N/A □