

**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.

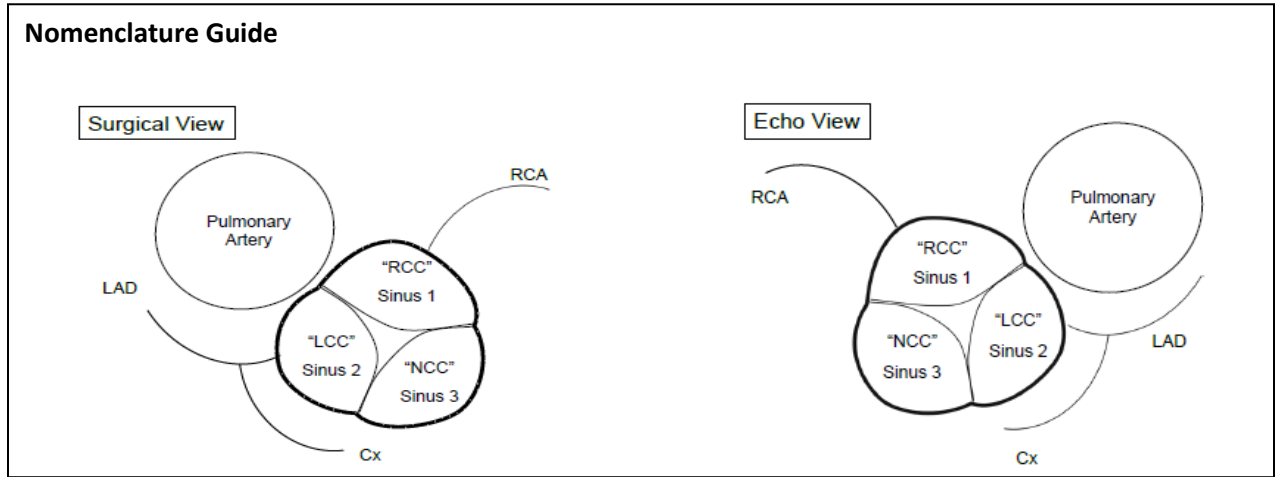
# Anomalous Aortic Origin of a Coronary Artery (AAOCA) Study

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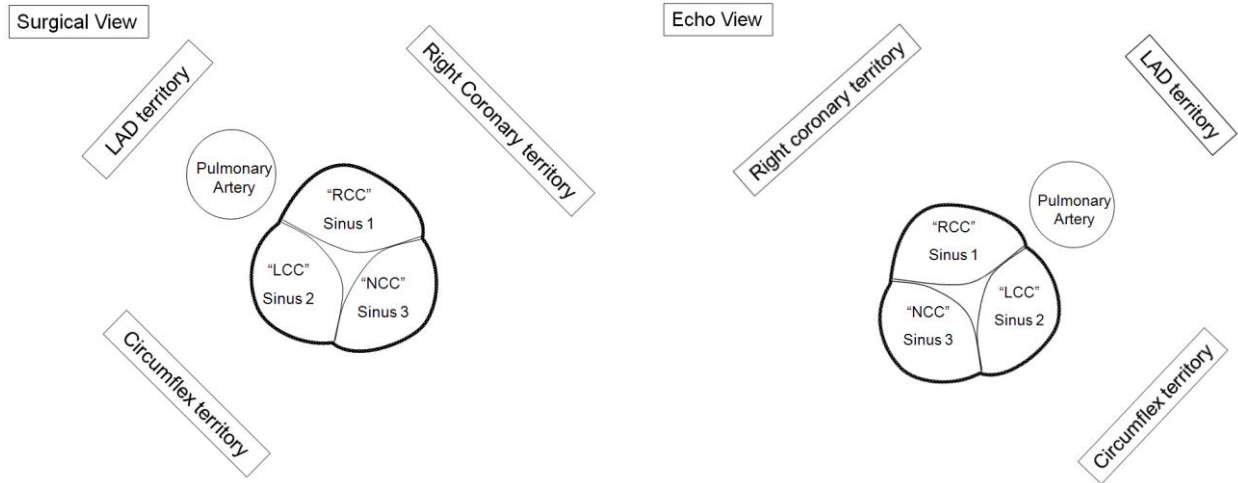
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### Nomenclature Guide



### Diagram 1

**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



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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:**

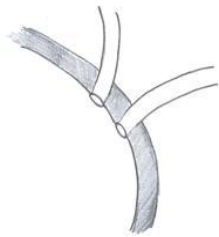
Grade 1  Grade 2  Grade 3  Grade 4  Unable to determine  N/A

**Left Coronary Sinus:**

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

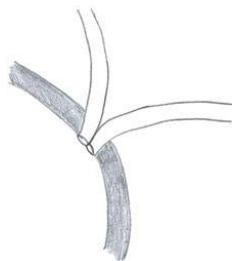
**Non-coronary Sinus:**

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



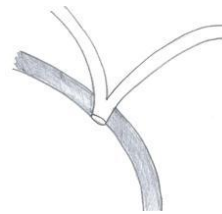
Grade 1

Two separate orifices, located within the same sinus



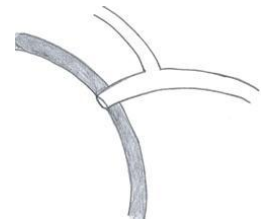
Grade 2

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).

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**DESCRIPTION OF CORONARY DISTRIBUTION**

**Sinus of Origin**

LMCA      Lt Sinus    Rt Sinus    NC Sinus    Unable to determine    N/A

RCA      Lt Sinus    Rt Sinus    NC Sinus    Unable to determine    N/A

LAD      Lt Sinus    Rt Sinus    NC Sinus    Unable to determine    N/A

Circumflex      Lt Sinus    Rt Sinus    NC Sinus    Unable to determine    N/A

**Slit-like Orifice**

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

**High Ostial Take-off**

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

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**Acute Angulation (Diagram 3)**

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

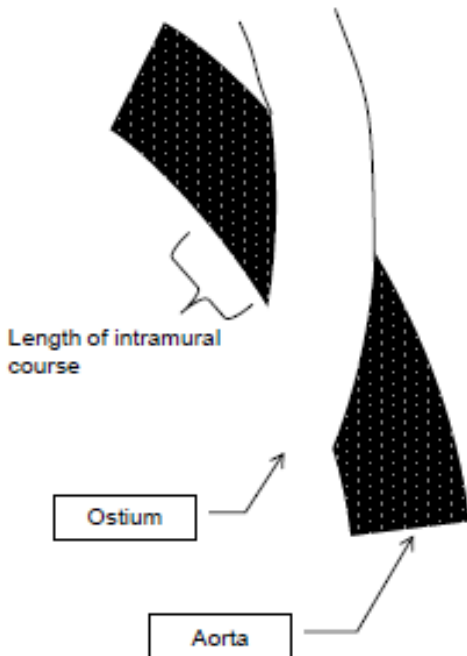
Right Coronary Artery      Yes  No  Unable to determine  N/A

LAD Coronary Artery      Yes  No  Unable to determine  N/A

Circumflex Coronary Artery      Yes  No  Unable to determine  N/A

**DIAGRAM 3**

Example of an angulated orifice:  
The coronary vessel passes  
obliquely through the aortic wall  
for a distance which is less than  
the diameter of the coronary  
artery



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**Intramural Course (Diagram 4)**

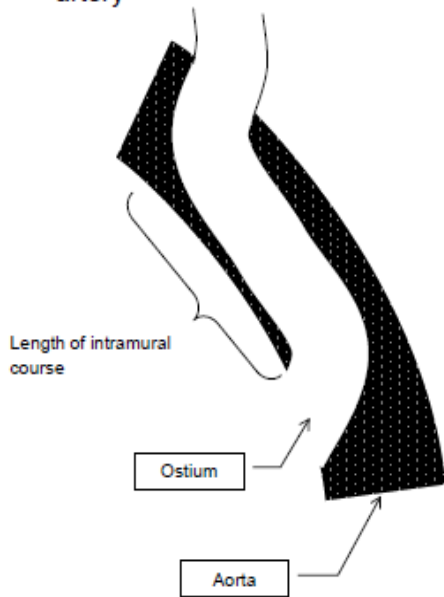
Left Main Coronary Artery      Yes  No  Unable to determine  N/A

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



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**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