



U.S. Department of Health and Human Services



Agency for Healthcare Research and Quality

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# **Enlargement of Existing Atrial Septal Defect Creation of New Atrial Septal Defect**

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On behalf of US Agency for Healthcare Research and Quality

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ICD-10 Coordination and Maintenance Committee

# Indications for atrial septostomy

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- Goals of procedure
  - ▶ Move saturated blood into the right ventricle, promote mixing of saturated and desaturated blood
  - ▶ Provide “pop-off” for a right ventricle failing against high pressure
- Dextro-transposition of the great arteries
  - ▶ Neonates have “patent foramen ovale”
- Hypoplastic left heart syndrome with restrictive atrial septum (stage 1 palliation)
- Pulmonary hypertension or tricuspid atresia
  - ▶ Foramen ovale typically closed

## Diagram of the dextro type of transposition of the great arteries

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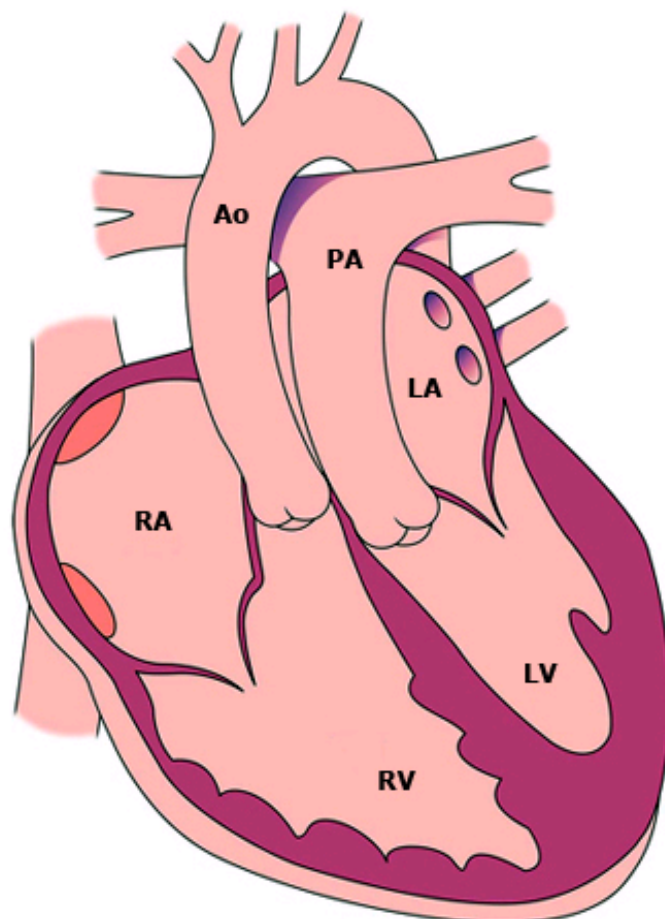


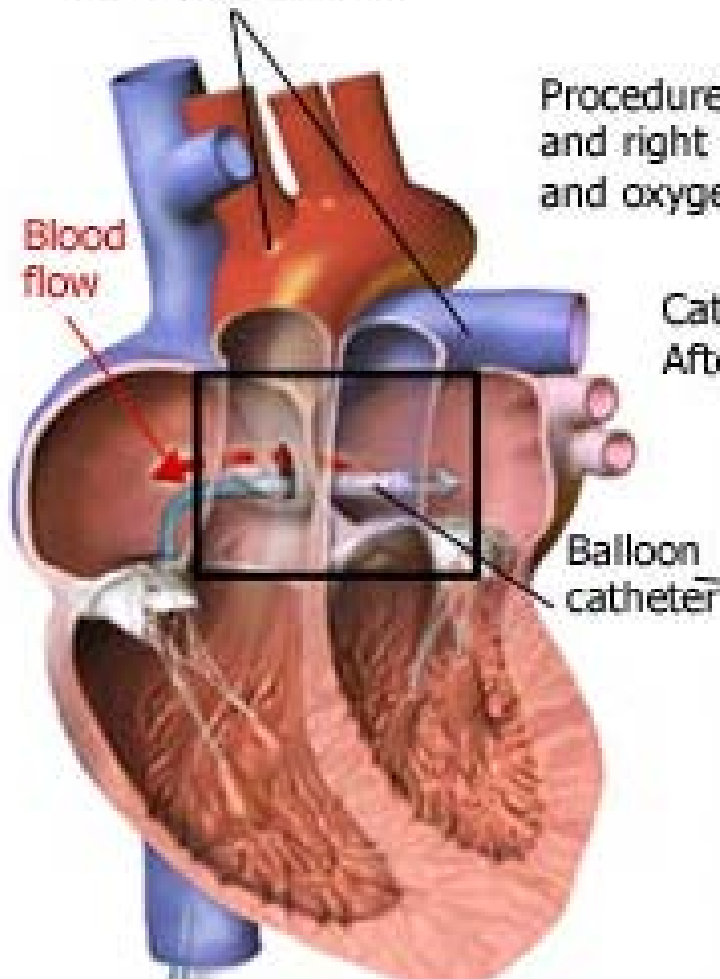
Diagram of the dextro type of transposition of the great arteries showing the abnormal position of the aorta (Ao) and the pulmonary artery (PA).

Ao: aorta; LA: left atrium; LV: left ventricle; PA: pulmonary artery; RA: right atrium; RV: right ventricle.

*Reproduced with permission from: Multimedia Library of Congenital Heart Disease, Children's Hospital, Boston, editor Robert Geggel MD, [www.childrenshospital.org/mml/cvp](http://www.childrenshospital.org/mml/cvp).*

# Creation or Enlargement

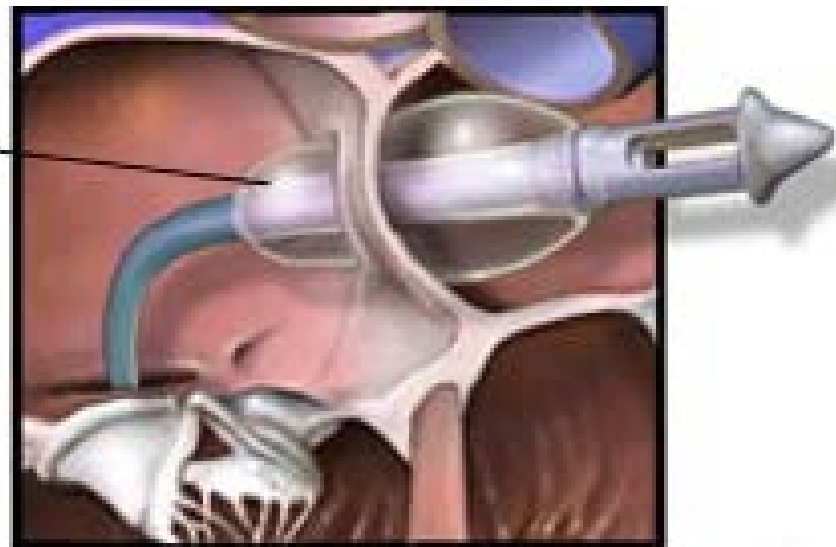
Transposition of  
the great arteries



## Balloon Atrial Septostomy (Rashkind Procedure)

Procedure to open a hole in the septal wall dividing the left and right atria. The opening in the septum allows oxygen-rich and oxygen-poor blood to mix, improving circulation.

Catheter is inserted into the septal hole and inflated. After inflation, catheter is pulled back through hole.





# ICD-9-CM coding

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- 35.41 Enlargement of existing atrial septal defect
  - ▶ Rashkind procedure
  - ▶ Septostomy (atrial)(balloon)\*
- 35.42 Creation of septal defect
  - ▶ Blalock-Hanlon operation

\* May also be done by transcatheter “blade,” in which case it creates a septal defect where none existed before



# Enlargement of Existing Septal Defect

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- Currently ICD-9-CM code 35.41 Enlargement of existing atrial septal defect is mapped to 02QA for “repair” of “heart.”
- Repair: “Restoring, to the extent possible, a body part to its normal anatomic structure and function.”
- Enlargement of a defect is not repair.
- Atrial septal defect is an abnormal orifice between the left and right atria.
- We propose mapping instead to 0275 for “dilation” of “atrial septum” (defect).
- Dilation: “Expanding **an orifice** or the lumen of a tubular body part.”



# 0 Medical Surgical

## 2 Heart and Great Vessels

### 7 Dilation

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#### Body Part

Add value 5 for atrial septum

Requires new row

#### Approach

Use existing values 0 for open; 3 for percutaneous; 4 for percutaneous endoscopic.

#### Device

Use value Z for no device.

#### Qualifier

Use value Z for no qualifier.



# Creation of septal defect

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- Currently ICD-9-CM code 35.42 Creation of septal defect is mapped to 02B5, “Excision” of “atrial septum.”
- Excision: “Cutting out or off, without replacement, a portion of a body part.”
- Creating a septal defect percutaneously requires cutting into it, but does not require removal of tissue.
- We propose alternative mapping to 0285, “division” of “atrial septum.”
- Division: “Cutting into a body part without draining fluids and/or gases from the body part in order to separate or transect a body part.”





**0 Medical Surgical**  
**2 Heart and Great Vessels**  
**8 Division**

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## Body Part

Add value 5 for atrial septum

Does not require new row

## Approach

Use existing values 0 for open; 3 for percutaneous; 4 for percutaneous endoscopic.

## Device

Use existing value Z for no device.

## Qualifier

Use existing value Z for no qualifier.



# Questions

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- Clinical comments
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- Coding comments
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- Comments and suggestions to AHRQ
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