


| THE RIGHT CONTOUR O |
| :--- |
| The upper half of the right | contour is formed by the superior vena cava (SVC) is straight

The angle between these two contours represents the superior aspect of the right atrium
the lower half by the lateral wall of the right atrium
atrium
aorta




The cardiothoracic ratio (CTR) aids in the detection of enlargement of the heart which is most commonly from cardiomagaly but can be due to other processes such as Pericardial effusion
is the ratio of maximal horizontal cardiac diameter to maximal horizontal thoracic diameter (inner edge of ribs / edge of pleura). A normal measurement should be $<0.5$.


Thoracic diameter


W1202:13

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Bxte \(=000000000009\)
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## Tetralogy of Fallot

> Boot-shaped heart with an upturned cardiac apex due to right ventricular hypertrophy
> Concave pulmonary arterial segment.
> Pulmonary oligaemia occurs due to decreased pulmonary arterial flow.




Coraction of Aorta.Chest radiograph may show a normal cardiac contour or can be mildly enlarged. A characteristic finding of beneath the aortic notch suggests the narrowing of the descending aorta at the level of coarctation and dilatation pre and post coarctation. Bilateral inferior rib notching may also be seen in the third to eighth ribs suggesting the presence of dilated intercostal collateral arteries

## ON the CT scans

You should appreciate the fact that we are evaluating the inferior part of the section (not the superior), therefore, it should be noted right side will be actually on the left side on the scan and vice versa.




Figure III-2-40. Chest: CT, T3


Figure III-2-41. Chest: CT, T4


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