40 yo hypertensive male with chest pain
Aortic coarctation

The “3” sign is visible on CXR

Reverse “3” sign is visible on esophagogram
COARCTATION OF THE AORTA
Aortic coarctation

- Focal narrowing beyond left subclavian artery or ligamentum arteriosum

- Collateral vessels bypass coarcted segment (intercostals, internal mammary, superior epigastrics)

- Rib notching affects third or fourth through eighth ribs (first two ribs spared since they are supplied by intercostals arising from the costocervical trunk)

- Associated with bicuspid aortic valve

- 20-36% of patients with Turner’s syndrome have aortic coarctation