## ABDOMINAL AORTA & INFERIOR VENA CAVA

### NAME THE VENTRAL UNPAIRED BRANCHES OF ABDOMINAL AORTA(SA)

### LIST THE VENTRAL BRANCHES OF ABDOMINAL AORTA(SA)

Coeliac trunk- It is the artery of foregut, arises at the level of T12

Superior mesenteric artery- It is the artery of midgut, arises at the level of L1

Inferior mesenteric artery- It is the artery of hindgut, arises at the level of L3

**Name the lateral branches of abdominal aorta**

These are Paired arteries.

From above downwards,

Inferior Phrenic arteries

Middle suprarenal arteries

Renal arteries

Gonadal arteries (Testicular artery or Ovarian artery)

### ABDOMINAL AORTA- LABELLED DIAGRAM, BRANCHES(SE)

**Branches of abdominal aorta**

Ventral Branches

Lateral branches

Dorsal branches

Terminal Branches

**Ventral Branches:** These are unpaired arteries

Coeliac trunk

Superior mesenteric artery

Inferior mesenteric artery

**Lateral Branches:**

These are Paired arteries.

Inferior Phrenic arteries

Middle suprarenal arteries

Renal arteries

Gonadal arteries

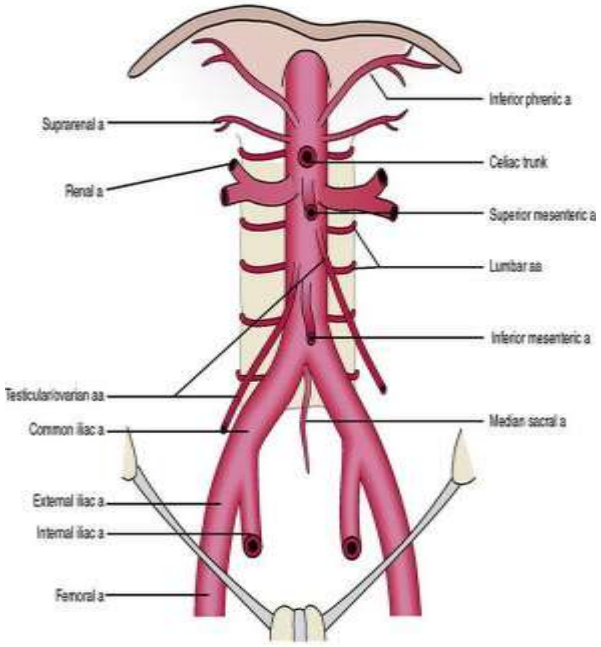
**Dorsal Branches:**

Four pairs of lumbar arteries

Median sacral artery

**Terminal Branches:**

Right and left common iliac arteries



## INFERIOR VENA CAVA(SE)

Vein which drains the venous blood from the body below the diaphragm

**Formation:**

Formed at the level of L5 vertebra

Formed by the union of right and left common iliac veins

**Course:**

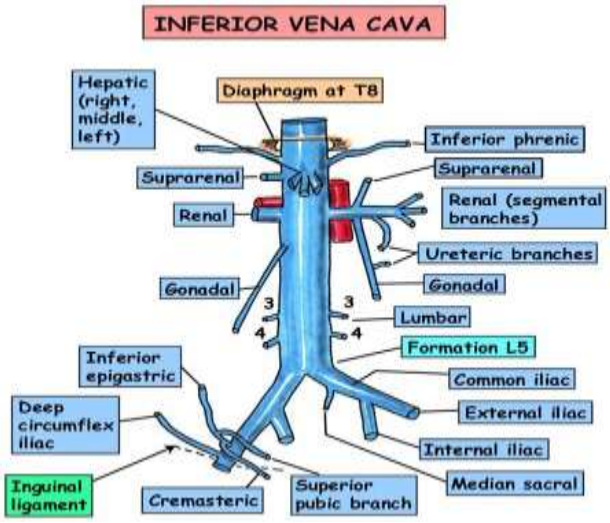
From the level of its origin it courses upwards

It ascends upwards along the posterior abdominal wall lying just to the right of abdominal aorta

Then it ascends along the posterior aspect of Liver, lying the groove for IVC

Passes through the vena caval opening of the diaphragm at the level of T8 to enter thorax

**Terminates** by draining into right atrium




**Tributaries**

Pair of common iliac veins
Lumbar veins
Pair of renal veins
Pair of phrenic veins
Right gonadal vein
Right suprarenal vein
Hepatic veins

**Applied Anatomy:**

If there is obstruction of inferior vena cava, collateral circulation may be established between the tributaries of superior vena cava.