

ABDOMINAL WALL



muscles	Origin	Insertion
External Oblique Muscle	External surfaces of 5th--12th ribs	Linea alba, pubic tubercle, and anterior half of iliac crest
Internal Oblique Muscle	Thoracolumbar fascia, anterior two-thirds of iliac crest, and lateral half of inguinal ligament	Inferior borders of 10th--12th ribs, linea alba, and pecten pubis via conjoint tendon
Transverse Abdominal Muscle	Internal surfaces of 7th_12th costal cartilages, Thoracolumbar fascia, iliac crest, and lateral third of inguinal ligament	Linea alba with aponeurosis of internal oblique, pubic crest, and pecten pubis via conjoint tendon

في عضلتين برضه بس الدكتور ما ذكر ال origin وال insertion الهم

Rectus Abdominis Muscle
PYRAMIDALIS

Lymph Drainage

Nerves

1. Thoracoabdominal nerves
2. Lateral (thoracic) cutaneous branches
3. Subcostal nerve
4. Iliohypogastric and ilioinguinal nerves

Arteries

- ❖ Superior epigastric artery
- ❖ Inferior epigastric artery
- ❖ Deep circumflex iliac
- ❖ Superficial circumflex iliac a.
- ❖ Superficial epigastric a.
- ❖ Subcostal artery a.
- ❖ Musculophrenic a.
- ❖ 10th and 11th posterior intercostal arteries

Veins

Above ^{umbilicus}
lateral thoracic vein to axillary vein

below ^{umbilicus}
superficial epigastric and great saphenous veins to femoral vein

Superficial

Above ^{umbilicus}
axillary (pectoral) group of nodes

below ^{umbilicus}
superficial inguinal nodes

deep

internal thoracic, external iliac, posterior mediastinal, and para-aortic (lumbar) nodes