

AXILLARY ARTERY & BRACHIAL BRANCHES

SEGMENT / ORIGIN

ARTERIAL BRANCH & DISTRIBUTION

AXILLARY ARTERY: PART 1 (Proximal to Pectoralis Minor)

1st Branch

Superior Thoracic Artery

Supplies 1st/2nd intercostal spaces and serratus anterior.

AXILLARY ARTERY: PART 2 (Deep to Pectoralis Minor)

2nd Branch

Thoracoacromial Trunk

Divides into: Clavicular, Pectoral, Acromial, and Deltoid branches.

3rd Branch

Lateral Thoracic Artery

Supplies serratus anterior, pectoral muscles, and mammary glands.

AXILLARY ARTERY: PART 3 (Distal to Pectoralis Minor)

4th Branch

Subscapular Artery

Largest branch. Divides into Circumflex Scapular and Thoracodorsal arteries.

5th Branch

Anterior Circumflex Humeral

Passes anterior to the surgical neck of the humerus.

6th Branch

Posterior Circumflex Humeral

Passes through quadrangular space with axillary nerve.

BRACHIAL ARTERY (Continuation beyond Teres Major)

Deep Branch

Profunda Brachii (Deep Artery of Arm)

Travels in radial groove; supplies triceps and mid-arm.

Ulnar Collateral

Superior & Inferior Ulnar Collateral

Contributes to the peri-articular anastomoses of the elbow.

Terminal Bifurcation

Radial & Ulnar Arteries

Originates in the cubital fossa at the level of the neck of the radius.