

## Arteries

- I. Arch of the Aorta
- II. Brachiocephalic
- III. Subclavian
  - A. Thyrocervical trunk
    1. Transverse cervical
      - a. superficial branch  
anastomoses – occipital a. (head & neck)
      - b. deep branch [deep branch is named dorsal scapular artery if it arises independently from the subclavian a.]  
anastomoses – suprascapular, circumflex scapular, subscapular & posterior intercostals
    2. Suprascapular  
anastomoses – circumflex scapular, deep transverse cervical, thoracoacromial [acromial branch], posterior circumflex humeral & subscapular
  - B. Axillary
    1. Superior thoracic a.  
anastomoses – internal thoracic & upper anterior intercostals
    2. Thoracoacromial trunk
      - a. acromial branch  
anastomoses – suprascapular, posterior circumflex humeral & deltoid branch of thoracoacromial a.
      - b. clavicular branch
      - c. deltoid branch  
anastomoses – acromial branch of thoracoacromial a.
      - d. pectoral branches  
anastomoses – internal thoracic & lateral thoracic a.
    3. Lateral thoracic  
anastomoses – pectoral branch of thoracoacromial, subscapular & internal thoracic a.
    4. Subscapular  
anastomoses – lateral thoracic, suprascapular, deep branch of transverse cervical & intercostal a.
      - a. circumflex branch  
anastomoses – suprascapular, deep transverse cervical & profunda brachii a.
      - b. thoracodorsal branch  
anastomoses – intercostal & upper lumbar a.
    5. Anterior circumflex humeral  
anastomoses – posterior circumflex humeral a.
    6. Posterior circumflex humeral  
anastomoses – anterior circumflex humeral, acromial branch of thoracoacromial, suprascapular & ascending branch of profunda brachii a.
  - C. Brachial
    1. Profunda brachii
      - a. nutrient artery of humerus
      - b. ascending branch  
anastomoses – posterior circumflex humeral a.
      - c. radial collateral branch  
anastomoses – radial recurrent a.
      - d. middle collateral branch  
anastomoses – interosseous recurrent a.
    2. Superior ulnar collateral  
anastomoses – posterior ulnar recurrent a.
      - a. nutrient artery of humerus
    3. Inferior ulnar collateral  
anastomoses – anterior ulnar recurrent & superior ulnar collateral a.
    4. Ulnar
      - a. Anterior ulnar recurrent  
anastomoses – inferior ulnar collateral a.
      - b. Posterior ulnar recurrent  
anastomoses – superior ulnar collateral & interosseous recurrent a.

- c. Common interosseous
    - i. anterior branch
      - anastomoses – posterior interosseous & dorsal carpal arch
    - ii. posterior branch
      - anastomoses – anterior interosseous & dorsal carpal arch
        - recurrent branch
          - anastomoses – middle collateral & posterior ulnar recurrent a.
  - d. Palmar carpal branch
    - anastomoses – palmar carpal branch of radial a.
  - e. Dorsal carpal branch
    - anastomoses – dorsal carpal branch of radial a.
  - f. Deep palmar branch
    - anastomoses – deep palmar arch [radial a.]
  - g. Superficial palmar arch
    - anastomoses – superficial palmar branch of radial a.
      - i. common digital branches
      - ii. proper digital branches
5. Radial
- a. Radial recurrent
    - anastomoses – radial collateral a.
  - b. Palmar carpal branch
    - anastomoses – palmar carpal branch of ulnar a.
  - c. Superficial palmar branch
    - anastomoses – superficial palmar arterial arch (ulnar a.)
  - d. Dorsal carpal
    - anastomoses – anterior interosseous & posterior interosseous a.
      - i. dorsal metacarpal branches
  - e. 1st dorsal metacarpal a.
  - f. Princeps pollicis
  - g. Radialis indicis
  - h. Deep palmar arch
    - anastomoses – deep palmar branch of ulnar a.
      - i. palmar metacarpal branches