(a) Foetus 31 weeks.
Axillary Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.

(b) Full term Foetus.
Axillary artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.
(a) Foetus 32 weeks.
   Brachial Artery.
   Stain. Weigert's Elastic stain.
   Counterstain. Picric acid.
   Magnification X 250.

(b) Full term Foetus.
   Brachial Artery.
   Stain. Weigert's Elastic stain.
   Counterstain. Picric acid.
   Magnification X 250.
(a) Foetus 31 weeks.
Radial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.

(b) Full term Foetus.
Radial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.
(a) Foetus 20 weeks.
Femoral Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.

(b) Foetus 31 weeks.
Femoral Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.

(c) Full term Foetus.
Femoral Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.
(a) Foetus 20 weeks.
   Popliteal Artery.
   Stain. Weigert's Elastin stain.
   Counterstain. Picric acid.
   Magnification X 250.

(b) Foetus 31 weeks.
   Popliteal Artery.
   Stain. Weigert's Elastin stain.
   Counterstain. Picric acid.
   Magnification X 250.

(c) Full term Foetus.
    Popliteal Artery.
    Stain. Weigert's Elastin stain.
    Counterstain. Picric acid.
    Magnification X 250.
(a) Foetus 20 weeks.
Anterior Tibial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.

(b) Foetus 31 weeks.
Anterior Tibial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.

(c) Full term Foetus.
Anterior Tibial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 250.
PLATE VII.
Subject aged 8 months.

(a) Axillary Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Brachial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Radial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
PLATE IX. Subject aged 8 years.

(a) Axillary Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Brachial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Radial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
Subject aged 18 years.

(a) Axillary Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Brachial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Radial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
PLATE XII.
PLATE XII. Subject aged 18 years.

(a) Femoral Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Popliteal Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Anterior Tibial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
PLATE XIII.

Subject aged 28 years.

(a) Axillary Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Brachial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Radial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
PLATE XIV.
(a) Femoral Artery.
  Stain. Weigert's Elastin stain.
  Counterstain. Picric acid.
  Magnification X 60.

(b) Popliteal Artery.
  Stain. Weigert's Elastin stain.
  Counterstain. Picric acid.
  Magnification X 60.

(c) Anterior Tibial Artery.
  Stain. Weigert's Elastin stain.
  Counterstain. Picric acid.
  Magnification X 60.
PLATE XV.

Subject aged 48 years.

(a) Axillary Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Brachial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Radial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
PLATE XVI.
(a) Femoral Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Popliteal Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Anterior Tibial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
PLATE XVII. Subject aged 58 years.

(a) Axillary Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Brachial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Radial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
PLATE XVIII. Subject aged 58 years.

(a) Femoral Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(b) Popliteal Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(c) Anterior Tibial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.

(d) Subject aged 54 years.
Anterior Tibial Artery.
Stain. Weigert's Elastin stain.
Counterstain. Picric acid.
Magnification X 60.
PLATE XIX.

(a) Subject aged 19 years. Brachial Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson's Picro-saurefuchsin.
Magnification X 160.

Note: The muscle nuclei lying close together.
The elastic tissue is only faintly stained.

(b) Subject aged 76 years. Brachial Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson's Picro-saurefuchsin.
Magnification X 160.

Note: The separation of the muscle nuclei by connective tissue, and the signs of breaking down of these nuclei.
A considerable increase of connective tissue has occurred.
(a) Subject aged 2 years. Femoral Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson's Picro-saurefuchsin.
Magnification X 160.

Note: The regular arrangement of muscle cells and elastic fibres, with very little connective tissue.

(b) Subject aged 19 years. Femoral Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson's Picro-saurefuchsin.
Magnification X 160.

Note: The increase of muscle, making the vessel relatively less elastic than (a). The muscle nuclei lie closely with only a small amount of connective tissue.
PLATE XXI.
Subject aged 48 years. Femoral Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson’s Picro-saurefuchsin.
Magnification X 160.

Note: The marked proliferation of the intimal tissue. There is a great increase of connective tissue in the media, separating the muscle cells. Many of these muscle nuclei appear to be degenerating.
Subject aged 58 years.

(a) Axillary Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson's Picro-saurefuchsin.
Magnification X 160.

Note: Considerable increase of connective tissue in the media, separating the muscle nuclei. (Compare Plate XVII. (a)).

(b) Radial Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson's Picro-saurefuchsin.
Magnification X 160.

Note: Regular arrangement of muscle and elastic fibres, with very little connective tissue in the media. (Compare Plate XVII. (c)).
PLATE XXIII. Subject aged 58 years.

(a) Femoral Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson's Picro-saurefuchsin.
Magnification X 160.

Note: Proliferation of intimal tissue.
Signs of degeneration of some muscle nuclei, with some separation of the muscle cells by connective tissue in the media.
(Compare Plate XVIII (a)).

(b) Anterior Tibial Artery.
Stain. Iron Haematoxylin.
Counterstain. Van Gieson's Picro-saurefuchsin.
Magnification X 160.

Note: The arrangement of the muscle cells is regular in the outer part of the media. In the inner part of the media there is more connective tissue between the cells.
(Compare Plate XVIII (c)).