

Disorders of Elastic Tissue

Weedon Chapter 12

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Special stains utilized for identification of elastic fibers include all except:

- A. Reticulin
- B. Orcein
- C. Aldehyde-fuchsin
- D. Verhoeff
- E. Luna

Answer A

Reticulin

True associations with elastofibromas include all except:

- A. Elastic stains highlight irregular branched outlines of elastic fibers
- B. Common in Southern Japanese
- C. Most commonly located in the lower extremities at sites of trauma
- D. May be incidental findings
- E. Thought to be a reaction to prolonged mechanical stress

Answer C

The most common location is in the upper trunk, near the scapula.

Correct associations with pseudoxanthoma elasticum (PXE) include all except:

- A. Von Kossa stains elastic fibers
- B. Orcein stain stains elastic fibers
- C. Perforation may occur
- D. Histopathological distinction between acquired PXE and primary inherited forms
- E. Sudden cardiac death

Answer D

There is no histopathological distinction between acquired PXE and primary inherited forms

Correct histopathologic associations with solar elastosis include all except:

- A. Perforation
- B. Elastotic material derived from elastic fibers
- C. Ultrastructural evidence of damaged elastic fibers
- D. Dermabrasion decreases Collagen VII production
- E. May present with nodules on the antihelix

Answer D

Dermabrasion produces clinical improvement of solar elastosis with synthesis of type I collagen. Collagen VII is classically reduced in solar elastosis.