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.