Chapter 3

AIM AND OBJECTIVES
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*Scars have the strange power to remind us that our past is real*

- Cormac McCarthy

3.1. To study the histology of collagen and elastic fibers in the dermis of different regions and in different directions of sections in a large quantity of skin samples.

3.2. To evaluate the quantitative fraction of dermal collagen and elastic fibers in two perpendicular directions of skin samples obtained from 15 areas of 3 anatomical regions (Head and neck, Trunk and Extremities).

3.3. To analyze the significance of difference from the above evaluated data of collagen and elastic fiber content (percentage area) and its pattern of distribution in two different directions of skin samples taken from different areas of the human body.

3.4. To measure the various ratios between collagen in horizontal ($C_H$) and vertical ($C_V$) directions and elastic fibers in horizontal ($E_H$) and vertical ($E_V$) directions.

3.5. To evaluate the correlation between (i) $C_H$ and $C_V$, (ii) $C_H$ and $E_H$, (iii) $C_V$ and $E_V$, (iv) $E_H$ and $E_V$ variables for the possible trend of positive or negative correlation between them.