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Fig. 1. Light micrographs of paraffin sections of the Hartley guinea pig conductive airways (a, b) and Sprague-Dawley rat conductive airways (c, d) and visceral pleura (e, f). These sections have been stained by the Alcian blue/safranin O method. Only BMC are observed in the trachea (a) and bronchi (b) of the guinea pig. In contrast, RMC, BMC and MiMC are observed in the trachea
(c) and bronchi (d) of the rat. A zonal distribution of BMC (e) or RMC (f) is observed in the rat visceral pleura. Arrows point to the mesothelium of the visceral pleura; arrowheads indicate tracheal or bronchial epithelium. C = Cartilage, a, b × 320. c × 160. d-f × 400.

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Plate I

Fig. 1. a Histochemical demonstration of MC in sections from the four cardiac chambers (1-4) and kidney (5,6) of the patient who died following an anaphylactic reaction to suxamethonium. Tissue sections were fixed in Carnoy’s fluid, stained with alcian blue, and counterstained with safranin. Note the alcian blue positive/safranin negative cytoplasmic granules. The bottom right plate (6) of this group is × 400, while the others are × 1000. b Immunoperoxidase staining for IgE of heart (7-9) and kidney (10-12) sections from the same patient as in (a). Note the heavy staining of MC. Plate 8 shows a section which was counterstained with alcian blue (note the dual staining). Plates 7-9 and 11 and 12 are × 1000, while plate 10 is × 400.

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