

SHOCK®

Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches

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COVER: Electron micrographs showing late activated lysosomes 1 to 3 hours in cardiogenic shock. Activated lysosomes are intensely marked by acid phosphatase reaction, and located in close association with degenerative mitochondria, SR tubules, and sarcolemma (panel A to F). Giant aggregates of activated lysosomes are seen in panel B. Arrows indicate destructive plasma membrane revealing baggy markedly edematous changes (panel C). A histiocyte coalescing to cardiomyocyte contains many activated lysosomes (panel D). Bars indicate microns. See Okuda, pages 557–570, 2006.