Images in Cellular / Molecular Medicine

Three dimensional configuration of mitochondria in left ventricular myocyte in mitochondrial cardiomyopathy: scanning electron microscopy by the osmium-DMSO-osmium method

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The tissue specimens were obtained from surgically resected myocardium by partial left ventriculectomy from a patient of dilated cardiomyopathy with a *point mutation* of mitochondrial DNA (1). The tissue specimens were treated with the osmium-DMSO-

osmium procedure as reported elsewhere [2] and observed under a Hitachi S-5000 scanning electron microscope. The figure shows mitochondria in a cardiomyocyte.

References

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Scanning electron micrographs of mitochondria in left ventricular cardiomyocyte (mitochondrial cardiomyopathy). A round and enlarged mitochondrion displays the characteristic circular cristae surrounding central tubular cristae ($\times 93,000$).