

ultrastructural kidney pathology pdf

1Institute of Pathology, RWTH University of Aachen, Aachen, Germany; 2Division of Nephrology, ... during progressive kidney damage and fibrosis in 3 murine models of different disease etiologies. These models ... a description of ultrastructural alterations of PTCs during experimental renal fibrosis is lacking.

Regardless of etiology, progressive renal disease causes

ULTRASTRUCTURAL IMMUNOGOLD LABELLING IN DIAGNOSTIC RENAL PATHOLOGY 213 Whilst conclusive differential diagnosis rarely rests on the immunogold results they have been of value in a number of cases, especially when there is restricted material available for light microscopical analyses.

The application of ultrastructural immunogold labelling in

Diagnosis of Tumors of the Kidney: Ultrastructural Classification BERNARD GONDOS, M.D. Department of Pathology, University of Connecticut, Farmington, CT 06032 ... diagnosis of tumors of the kidney. While the urine levels of lactic dehydrogenase and alkaline phosphatase may be elevated

Diagnosis of Tumors of the Kidney: Ultrastructural

In systemic disorders ultrastructural pathology could be particularly valuable for correct deposits classification, precise localization and pattern of deposition of Igs.

(PDF) Ultrastructural pathology of nephropathies with

Ultrastructural labeling can play a key role in the evaluation of morphologic expressions of monoclonal light chain-related renal diseases in cases where light microscopy, electron microscopy, and immunofluorescence data, even when combined, are not definitive in conveying a diagnosis and, in other cases, in clarifying the findings by providing immuno-morphologic correlation.

Ultrastructural Immunolabeling: A Unique Diagnostic Tool

Electron microscopic procedures have lost their former role where ultrastructural pathology was the cutting edge of diagnostic approaches and there are only few indications left. Transmission electron microscopy (TEM) is still used to analyze the ultrastructure of cilia, for example in primary ciliary dyskinesia (PCD).

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Therefore we reviewed our cases with ultrastructural diagnosis of PCD retrospectively to compare the results with other studies. Methods All specimens sent to the Institutes of Pathology in Bochum (2002-2006), Essen and Kiel (2006-2009) for TEM analysis because of suspected PCD were analysed retrospectively.

Ultrastructural pathology of primary ciliary dyskinesia

The topic for this Companion Meeting was determined jointly by the Executive Committees of the Society for Ultrastructural Pathology and the Renal Pathology Society. The role of electron microscopy and other diagnostic modalities in the analysis of renal transplant dysfunction represents an area of keen current interest and importance in the renal and ultrastructural pathology communities.

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