IgG4 IHC

IgG4 Immunohistochemistry

Medical facility
Pushpanjali Hospital (Rewari)

Test Description

6% of total IgG; least abundant of IgG subclasses
IgG4 related sclerosing disease is a syndrome affecting various sites with elevated serum IgG4 and site-related lymphoplasmacytic infiltrates, increased IgG4+ plasma cells and sclerosis.
Common sites are head and neck [eosinophilic angiocentric fibrosis, idiopathic cervical (neck) fibrosis, salivary glands,liver, lung, pancreatobiliary region (sclerosing pancreatitis.
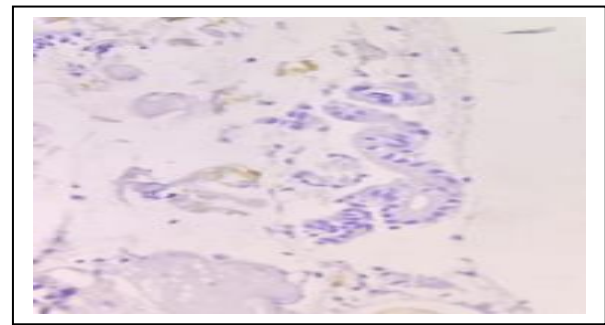Other sites: abdominal aortic aneurysms, breast, CNS, kidney, lymph nodes, ureter.

IgG4:   Negative

Microscopy Evaluation

IgG4 staining for tumor cells: 00%

IgG4 IHC- Tumor Cells

Specimen

Sample Type: Received FFPE block B-15564/23
Site: CBD
Pathology ID: MOLQ IHC-15/23
Disease: Dysplastic cells (? Adenocarcinoma)

Interpretation

Positive: Strong, brown, Cytoplasmic staining.

Negative: Absence of strong Cytoplasmic staining.

Methodology

Immunostaining for IgG4 IHC marker is done using Biogenex IHC marker.

Note

Diagnose IgG4 related sclerosing diseases, including some cutaneous pseudolymphomas although presence of numerous IgG4+ plasma cells by itself is not specific.
Differentiate IgG4 related sclerosing disease (high number and percentage of IgG4+ plasma cells in tissue) from inflammatory myofibroblastic tumor (low number and percentage,

References

1. Rosai and Ackerman's Surgical Pathology.
2. https://www.pathologyoutlines.com/topic/stainsigg4.html

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