

Case 6

Microscopy

Colonic polyp showing diffuse proliferation of neural and ganglion within the lamina propria and muscularis without neurofibrous stroma, around normal looking glands. No non-lesional mucosa is seen. No atypical features are seen. Scattered eosinophils, lymphocytes and plasma cells are noted. There is no evidence of dysplasia or malignancy.

Favored diagnosis

The morphological appearances favor a diagnosis of **COLONIC GANGLIONEUROMA (POLYPOID)**

Further work

Confirmatory immunohistochemistry should show S100, NSE and synaptophysin positivity. Clinical and endoscopic correlation along with review of previous history is essential to determine whether this lesion is solitary or multiple as this would have syndromic implications.

Comment

Ganglioneuromata of the colon can be solitary (nonsyndromic) and multiple. Polypoid ganglioneuromatosis has an association with Cowden's syndrome and diffuse ganglioneuromatosis has associations with MEN 1b and NF1 syndromes. RET mutations are often present even in the absence of MEN 1b syndrome.