

## NO. 022 Schwannoma

<ul style="list-style-type: none"> <li>➤ 本片腫瘤源自 inferior alveolar nerve，可見正常 large-sized nerve bundles。</li> <li>➤ 因是良性瘤，故在 tumor 外覆有 fibrous connective tissue 構成的 capsule。</li> <li>➤ 起因為 Schwann cell 的增生，依 cell 排列方式分成兩種型式：           <ul style="list-style-type: none"> <li>—Antoni type A：中倍鏡下可見黑色梭形細胞 (Schwann cell) 平行排列 (palisading appearance)，平行排列的細胞間為紅染的細胞間膠質纖維 (verocay body)。即粉紅色膠質的周圍是由平行細胞的細胞核所包圍。</li> <li>—Antoni type B：無平行排列，Schwann Cells 呈現 spindle 或 ovoid 型態。背景較疏鬆(loose edematous or myxoid matrix)並夾雜一些發炎細胞。</li> </ul> </li> <li>➤ Spindle cell neoplasm 有時在 HE 染色下不容易直接診斷，因此也可搭配 IHC 來幫助診斷。           <ul style="list-style-type: none"> <li>- S100: 運用很廣的一個 marker，會表現在 schwann cells、melanocytes、myoepithelial cells 等.....。其為一細胞質染色。(Fig. 4)</li> <li>- SOX10: 其會表現在 schwann cells, melanocytes, myoepithelial cells、luminal cells of intercalated ducts。其為細胞核染色。(Fig. 5)</li> </ul> </li> </ul>	<p>標記重點：</p> <ol style="list-style-type: none"> <li>1. Large-sized nerve bundles (Fig. 1 yellow ↑)</li> <li>2. Antoni type A : (Fig. 2)</li> <li>3. Spindle-shaped Schwann cells (Fig. 2 yellow ↑) - Verocay body (Fig. 2 red ○)</li> <li>4. Antoni type B - less cellular · less organized · Schwann cell 排列不規則，有 loose · myxomatous stroma (Fig. 3)</li> <li>5. Capsule (fibrous connective tissue) (Fig. 1 blue ↑)</li> </ol>
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Fig. 1

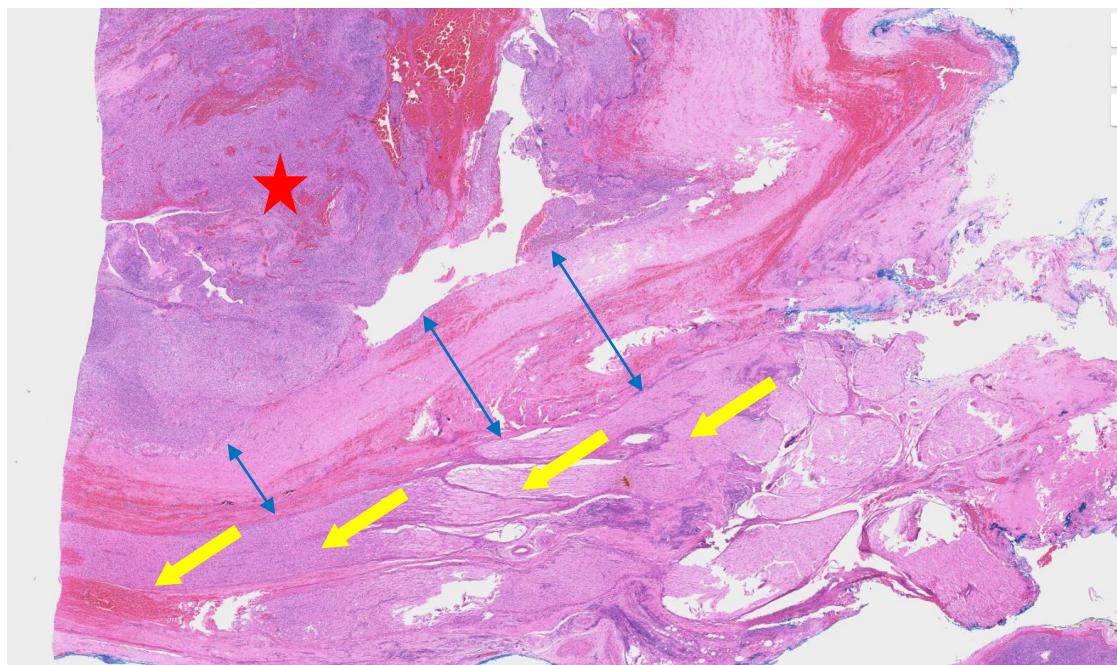


Fig. 2

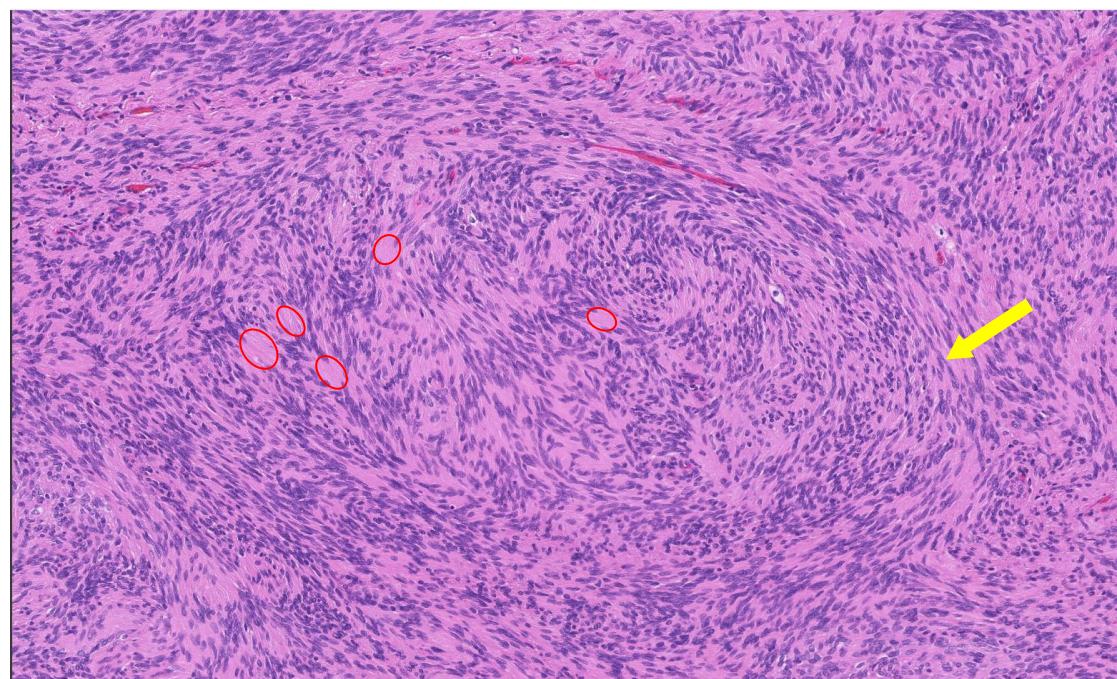


Fig. 3

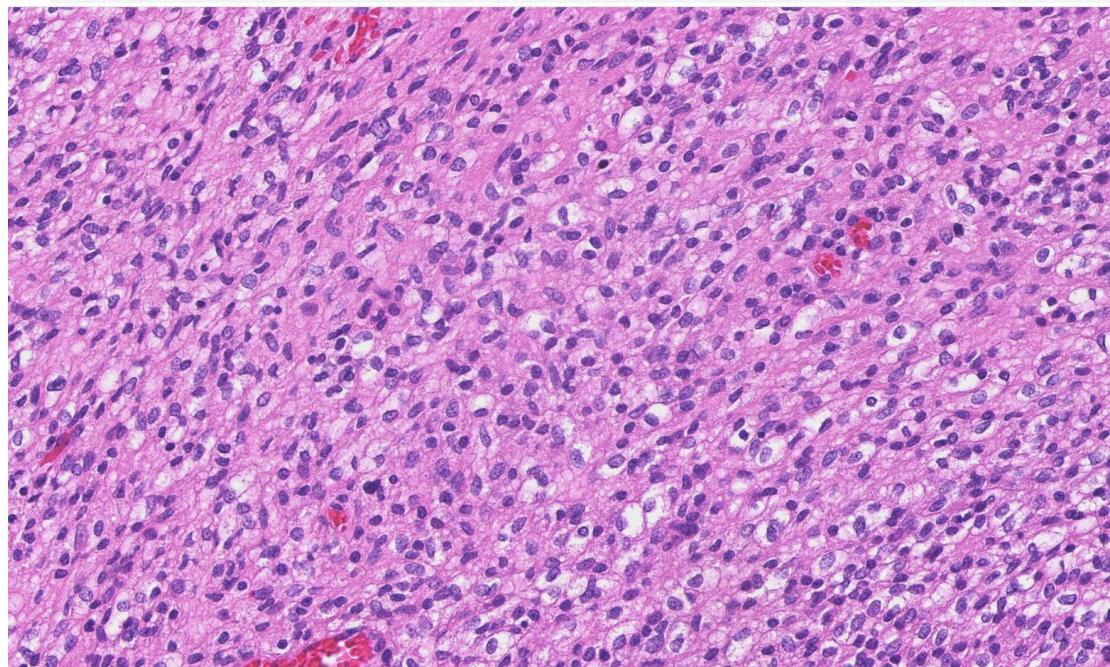


Fig. 4 (S100)

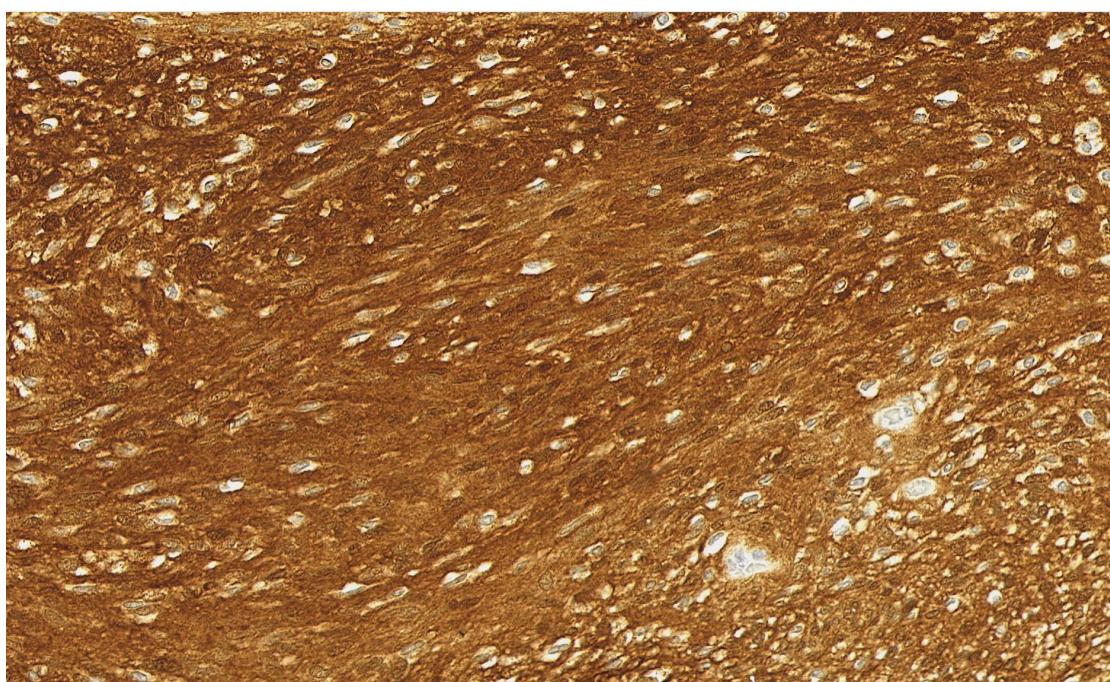


Fig. 5 (SOX10; SRY-related HMG-box 10)

