



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

### Summer School 2008 – Gastrointestinal Cytology

Cytology	Points
<p data-bbox="306 660 438 683"><b>Anamnesis:</b></p> <p data-bbox="306 716 1077 750">dog, 4 yrs, female castrated, anorexia, palpable mass in the duodenal area</p> <p data-bbox="306 779 702 806">imprint of the cut-surface of the mass</p> <p data-bbox="306 869 446 896"><b>Description:</b></p> <p data-bbox="306 929 1197 1612">There is <u>high cellularity</u>. Pale-purple material and a moderate number of erythrocytes are seen in the background. There is a <u>marked predominance of slender to plump, spindly to roundish cells</u> forming <u>no coherent groups</u>, these exhibit sharp <u>cell outlines</u>, a moderate amount of intensely homogeneously blue <u>cytoplasm</u> and round to ovoid to elliptic, sometimes indented <u>nuclei (diameter up to 25µm)</u> with one to five round or ovoid or angulate or bizarre-shaped <u>nucleoli (diameter up to 10µm)</u>. A moderate to high degree of <u>anisocytosis, anisokaryosis and anisonucleoliosis</u> and a <u>variable nuclear/cytoplasmic ratio</u> is present. A low number of cells exhibiting <u>two to three nuclei and occasional mitotic figures</u> can be seen. Small foci of structureless, intensely purple-stained <u>extracellular matrix</u> are present. In addition, there is a low number of well-differentiated, not pleomorphic <u>mast cells (&lt;5%)</u>.</p> <p data-bbox="306 1646 414 1673"><u>Diagnosis</u></p> <p data-bbox="306 1702 837 1729">spindle-cell sarcoma (intermediate or high degree)</p> <p data-bbox="306 1765 678 1792"><u>Histological diagnosis (H03-1489)</u></p> <p data-bbox="306 1821 957 1848">gastrointestinal stromal tumour (Vet. Pathol. 40, 42-54, 2003)</p> <p data-bbox="306 1881 534 1908">DD: leiomyosarcoma</p> <p data-bbox="306 1966 630 1993"><u>immunohistochemical reaction</u></p> <p data-bbox="306 2027 662 2054">sm-actin: neoplastic cells positive</p>	<p data-bbox="1236 600 1268 627">20</p> <p data-bbox="1236 1019 1252 1046">1</p> <p data-bbox="1236 1079 1252 1106">1</p> <p data-bbox="1236 1140 1252 1167">2</p> <p data-bbox="1236 1200 1252 1227">2</p> <p data-bbox="1236 1261 1252 1288">2</p> <p data-bbox="1236 1321 1252 1348">2</p> <p data-bbox="1236 1382 1252 1408">2</p> <p data-bbox="1236 1442 1252 1469">2</p> <p data-bbox="1236 1503 1252 1529">2</p> <p data-bbox="1236 1563 1252 1590">1</p> <p data-bbox="1236 1624 1252 1650">1</p> <p data-bbox="1236 1796 1252 1823">2</p>