My horse Odyssey aka Smudge
• Hanoverian grey gelding
• 13 years old at purchase as upper level dressage horse
• owned for 12 years
• euthanized at age 25 years

Cindy Courtney DVM, DACVP

Case #30
SEVPAC 2013
Smudge

• Developed dermal myosferulosis 2nd to open skin wound & furacin ointment tx presented at MAVP 2001

• History of COPD - RAO

• Cutaneous melanoma

• Developed Equine Cushings Disease -PPID

• At 25 years old developed ventral dependent edema
Large mass within the cranial vena cava
10 cm long by 5 cm in diameter
firm, solid, tan mass
adhered to the endothelial wall
Mass shown adjacent to thoracic aorta with scale bar
Spindle cell neoplasm attached to vascular wall
<table>
<thead>
<tr>
<th>Vascular tumor origin?</th>
<th>Immunohistochemistry results:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endothelium</td>
<td>Factor VIII-related antigen</td>
</tr>
<tr>
<td></td>
<td>NEGATIVE</td>
</tr>
<tr>
<td>Smooth muscle</td>
<td>Smooth muscle actin</td>
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<tr>
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<td>NEGATIVE</td>
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</tbody>
</table>

S-100 POSITIVE but GFAP & C-kit NEGATIVE
Fibrosarcoma NOS
Soft Tissue Sarcomas

• very complex and heterogeneous group of neoplasms

• Fibromyxosarcoma / Myxofibrosarcoma

• Neurofibrosarcoma

• Hyalinizing spindle cell tumour

NOS  "not otherwise specified”

is used as a broad-based diagnostic category,
there is not enough information at the time of diagnosis

to better specify the type of tumor
No matching cases in equine literature

32 horses and 3 ponies had neoplasia involving the thoracic cavity:
Lymphosarcoma in 19 (54.2%)
16 had metastatic adenocarcinoma (7 horses; 20%)
metastatic squamous cell carcinoma (5 horses; 14.3%)
metastatic hemangiosarcoma (3 horses; 8.6%)
undifferentiated sarcoma (1 horse; 2.9%)

Clinical and pathological features of thoracic neoplasia in the horse.
38 horses with confirmed thoracic neoplasia:
28 (37.7%) with lymphosarcoma
4 (10.5%) with metastatic renal cell carcinoma
2 (5.3%) with primary lung carcinoma
2 (5.3%) with secondary squamous cell carcinoma from the stomach
1 (2.6%) with pleural mesothelioma
1 (2.6%) with malignant melanoma
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