Thoughts on some viral infections in middle Europe

Equine Infectious Anaemia (EIA)

- **Rule of law in Hungary:**
  - All equine: serological examination every 3 years (EIA, Glanders)
  - Sport and breeding horses:
    - Serological examination every year (EIA, Glanders, Dourine)
  - Vaccination at national level (EE): concerning FEI rules
  - If EIA (+) following repeated serology:
    - Euthanasia with state compensation

- **Rule of law in Romania for EIA**
  - 2x/year serological examination for all horses
  - Closed slaughter if positive
  - State compensation

**EIA positive cases in Hungary 2005-2007**

- No clinical cases
- **2x seropositive (Coggins test)**
  - 2005: 9/18513
    - 8 at border control
  - 2006: 1/13006
    - 1 at border control
  - 2007: 7/24234
    - 3 at border control

Information: Central Agricultural Office
- Animal Health and Animal Welfare Directorate, Hungary

**2002 Europe EIA**

<table>
<thead>
<tr>
<th>Country</th>
<th>Outbreaks</th>
<th>Cases</th>
<th>Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>Croatia</td>
<td>51</td>
<td>360</td>
<td>49</td>
</tr>
<tr>
<td>Greece</td>
<td>40</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>Romania</td>
<td>8620</td>
<td>11262</td>
<td>360</td>
</tr>
<tr>
<td>Serbia-Mtn</td>
<td>10</td>
<td>35</td>
<td>0</td>
</tr>
</tbody>
</table>

Information: Prof. Rene Van den Hoven, Vienna

**Transport of slaughter horses**

(BEVA, Edinburgh, 2007: Keith Meldrum presentation)

- Hungary is not a slaughter horse producing country anymore
- **Horse population:**
  - Hungary: ~80,000
  - Romania: ~3,000,000
- Most of the transports are in transit through Hungary
- Most of the horses are coming from:
  - Romania
  - Lithuania
  - Latvia

Information: Central Agricultural Office, Hungary
Rabies in Hungary

- Sylvatic rabies (fox)
- 1986-1995: average 1104 cases/year
- Fox oral vaccination with bait
  - started in 1992
  - vaccination on the whole territory of the country: since 2004
  - 2x/year

West Nile virus in Hungary

- Seropositivity: known since 1969
- Clinical cases (birds) since 2003
- First documented horse case:
  - 2007 September
  - Severe CNS symptoms
  - Euthanasia on the 4th day of hospitalization
  - Encephalomyelitis
  - Virus detection: PCR, immunohistochemistry

Equine Virus Arteritis

- 1998-2004:
  - serology: ~50% seropositivity
  - virus isolation:
    - stallions: 27/280 (10%)
    - abortions: 3/177 (1.7%)
- 2005: 361/1064 seropositive
- 2006: 236/869 seropositive
- 2007: 233/775 seropositive

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Happy New Year to you all!
Boldog Uj Evet!