Examination of the oral cavity in equine dentistry



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Tegernsee

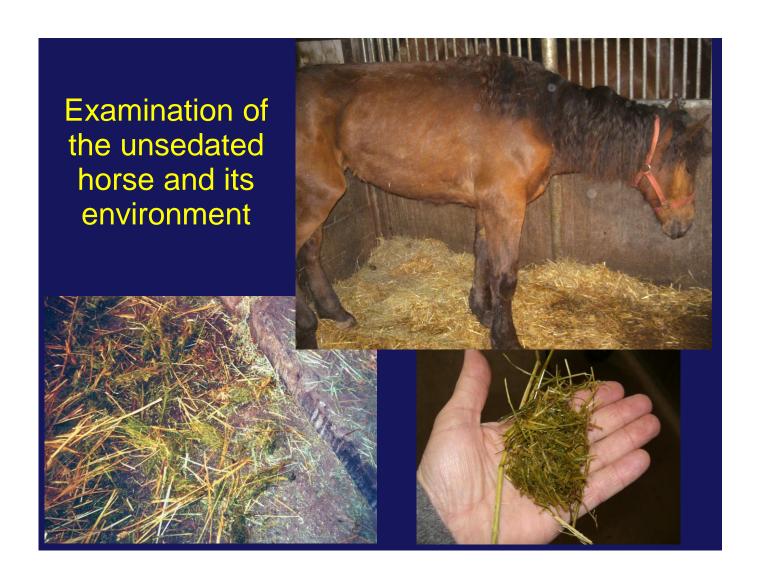


Anamnesis

- Expectations of the owner / Reasons for the examination
- Supposed age of the horse
- , Breed / Signalement
- Sex
- Use of the patient and holding conditions
- Former diseases and premaedication
- Former dental treatments
- , Vaccinations (Tetanus?)
- Feeding and access to water

Examination of the unsedated horse and its environment

- Behaviour and hierarchic status in the group
- Real environmental conditions
- Access to water and food
- Nutritional condition
- Foot and hair
- Condition of the bit and the equipment

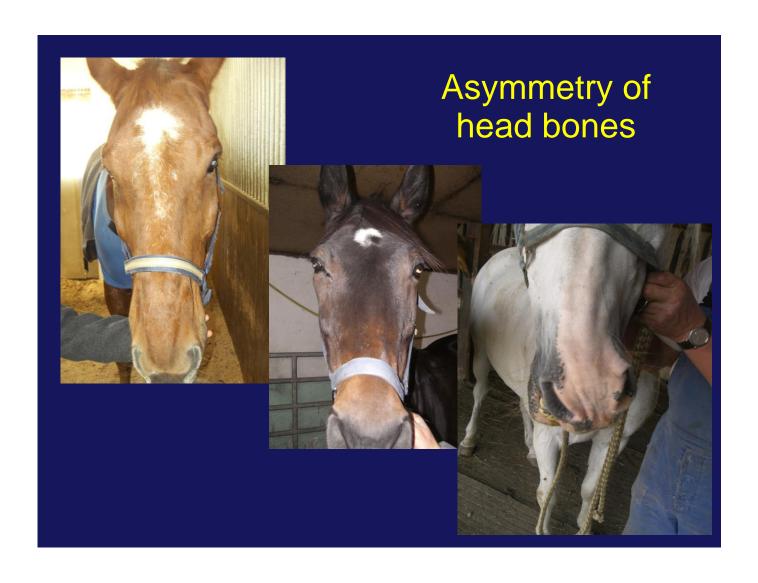


Equipment



Inspection of the head

- Symmetry of the head
 - Headbones
 - Temporomandibular joints (TMJ)
 - Masticatory muscles
- Scars
- Nasal discharge
- Salivation / viscosity of the saliva
- Lips and tongue
- Mandibular bumps/ maxillary bumps
- Fistulae





Mandibular and maxillary bumps





Not every swelling is tooth related!





Inspection of incisors on the unsedated horse



Incisors: Polyodontia



Incisors: Horse vices such as wind sucking and crib-biting







Retention of decidual incisors







Gingiva around the incisors Fistulation at the apex

- Gingivitis
- EOTRH /Equine odontoclastic tooth resorption and hypercementosis







Inspection and palpation of the bars and the canines









Inspection of the oral cavity in the unsedated horse:



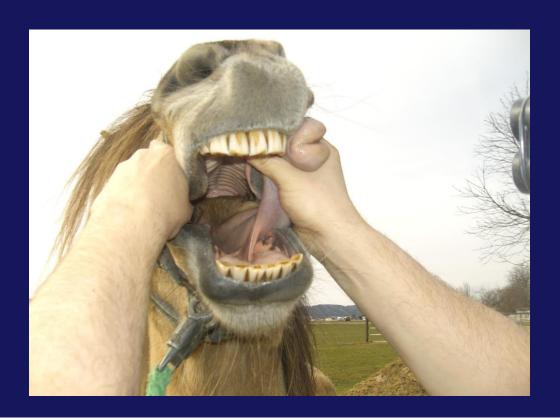
The lips and the tongue







Inspection of the oral cavity in the unsedated horse



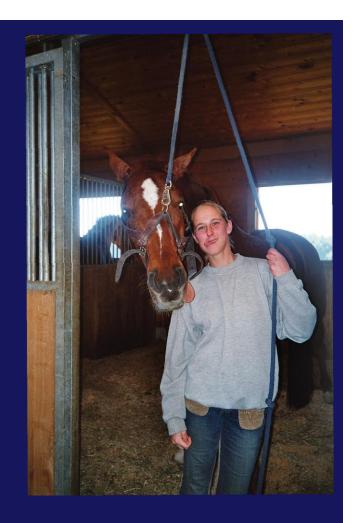


Findings in the mouth of an unsedated horse

- Age and conditions of detention
- Character and manners of the horse
- State of general health
- Temporomandibular joints masticatory muscles and head bones
- Incisors (number, clinical integrity, capacity to hold the mouthgag)
- Lips, gingiva and mucous membranes
- Canines and the bars
- Tongue and its mobility
- First impression of the cheek teeth and surrounding tissues
- Halitosis and quality/ quantity of the saliva

Sedation- why?

- Never put a mouth gag on an unsedated horse: deadly hazard!
- Exact inspection of all aspects of the teeth
- No compromise in diagnostics
- No compromise in treatment
- Less stressful for the patient
- Less stressful for the vet and the owner



Sedation: Dosage i.v.



Detomidine: 20-40µg/ kg Butorphanole: 0,008- 0,01 mg/ kg

Undesired effects of sedation:

- Bradycardia
- Interrupted peristalticsDiuresis after approx. 1 hour
- Push forward
- Swallowing reflex is restricted
- Transpiration
- Hypersensitivity of the skin: danger of kicking!
- Doping!

Inserting the mouth gag



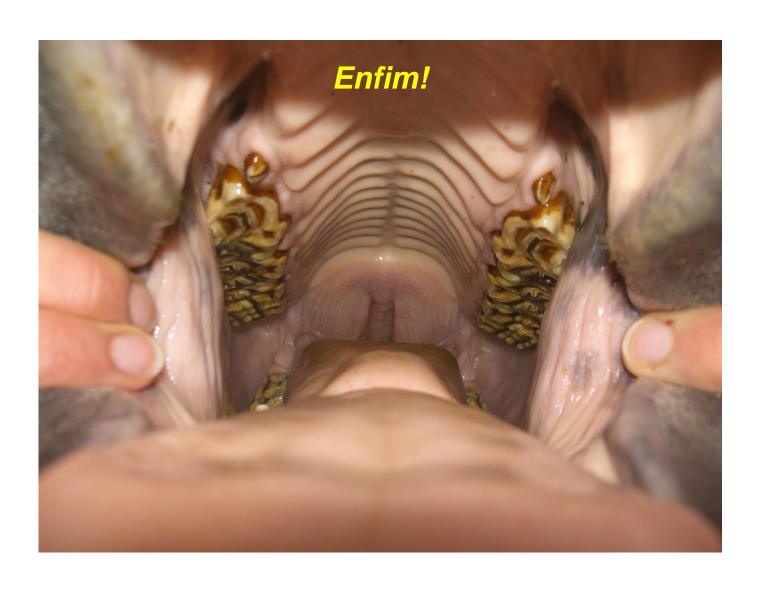


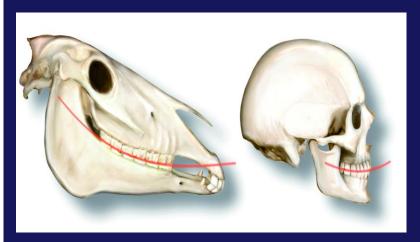


Flushing the mouth









Dental arcade (curve of spee) and table angles of the cheek teeth (curve of Wilson)

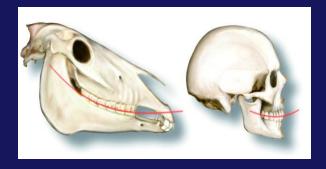
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Irregular dental arcade: Such as step mouth or wave

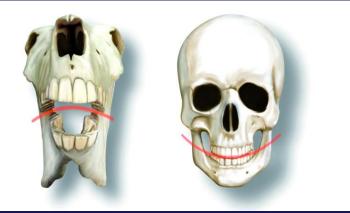








Serious alteration of the cheek teeth table angle: Shear mouth



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Polyodontia and excessive transverse ridges









Diastemata and periodontal disease

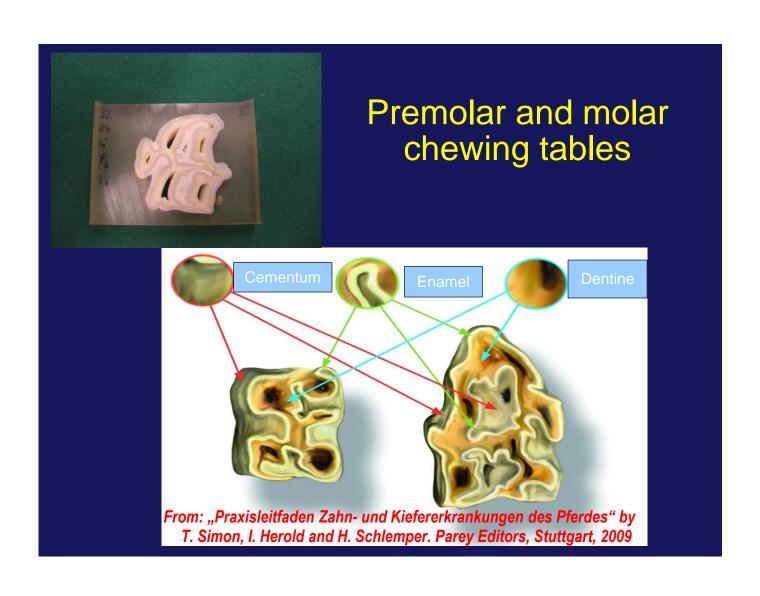


Inspection of the molar tables, the sides of the clinical crown and the gingiva











Infundibular decay



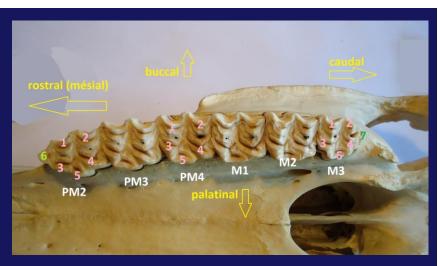
Pulp positions

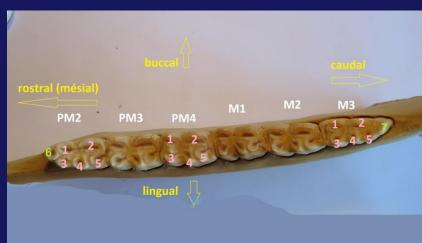


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Pulp positions: Nomenclature

Left maxillary arcade





Right mandibular arcade



Inspection of lateral aspects of the clinical crown and the surrounding gingiva



Lateral aspect of cheek teeth: caps







Treatment plan and records

- Anamnesis
- Inspection of the patient
- Inspection of the patients head
- Palpation
- Inspection and palpation of the incisors and surrounding tissues
- First inspection of the mouth (unsedated)
- Evaluation of general health
- Sedation
- Place mouth gag
- Rinse the mouth
- Inspection with dental mirror and/ or endoscope
- Inspection with dental probes
- Establish treatment plan

