Do´s and Don´ts in equine dentistry

igfp e.v. igfp_ev YouTube DE IGFP e.V.

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TriDent CONFERENCE

IAED INTERNATIONAL ASSOCIATION OF EQUINE DENTISTRY IAED CERTIFIED

IGFP

Do´s and Don´ts

Valuable tips practical work

1. Anamnesis - working set up
2. Instruments
3. Examination of the sedated horse
    1. Speculum, Instruments
    2. Body posture
4. Treatment (molar/incisors)
5. Aftercare/Follow-ups
6. Hygienics

work safety

good work for the horse, the owner and yourself

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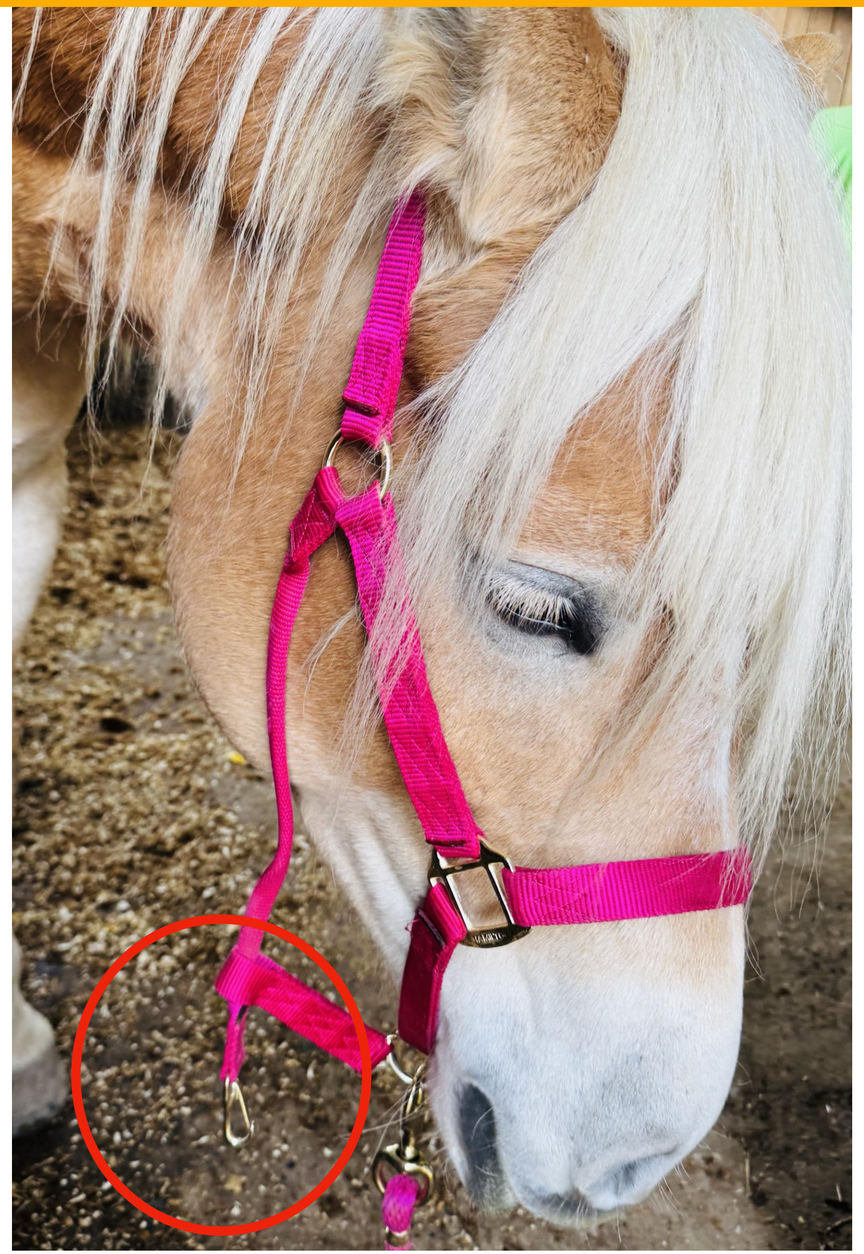
Anamnesis - Adspection 👌 ✅

Horses are

- flight animals
- herd animal
- plant eater

Keep halter closed - always! 🛑

For examination the halter should be closed, wide enough with a proper fit.



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Anamnesis - Adspection

- kepping and feeding
- use
- medical history?? medication?
- last examination - blood work?
- deworming treatments?vaccination? Control!
- last dental treatment
- problems? Any basic diseases?
- drugs? which one, since when?
- what does your horse shows?
- if isn't eating, what actually is the horse not eating?

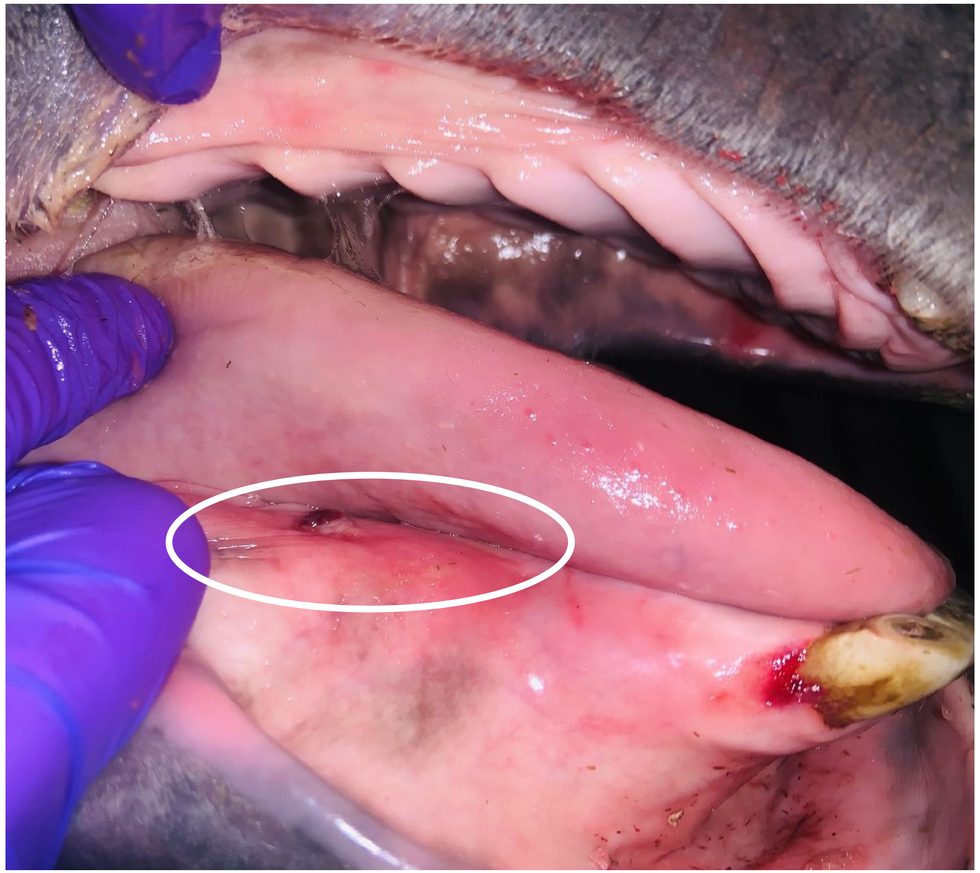


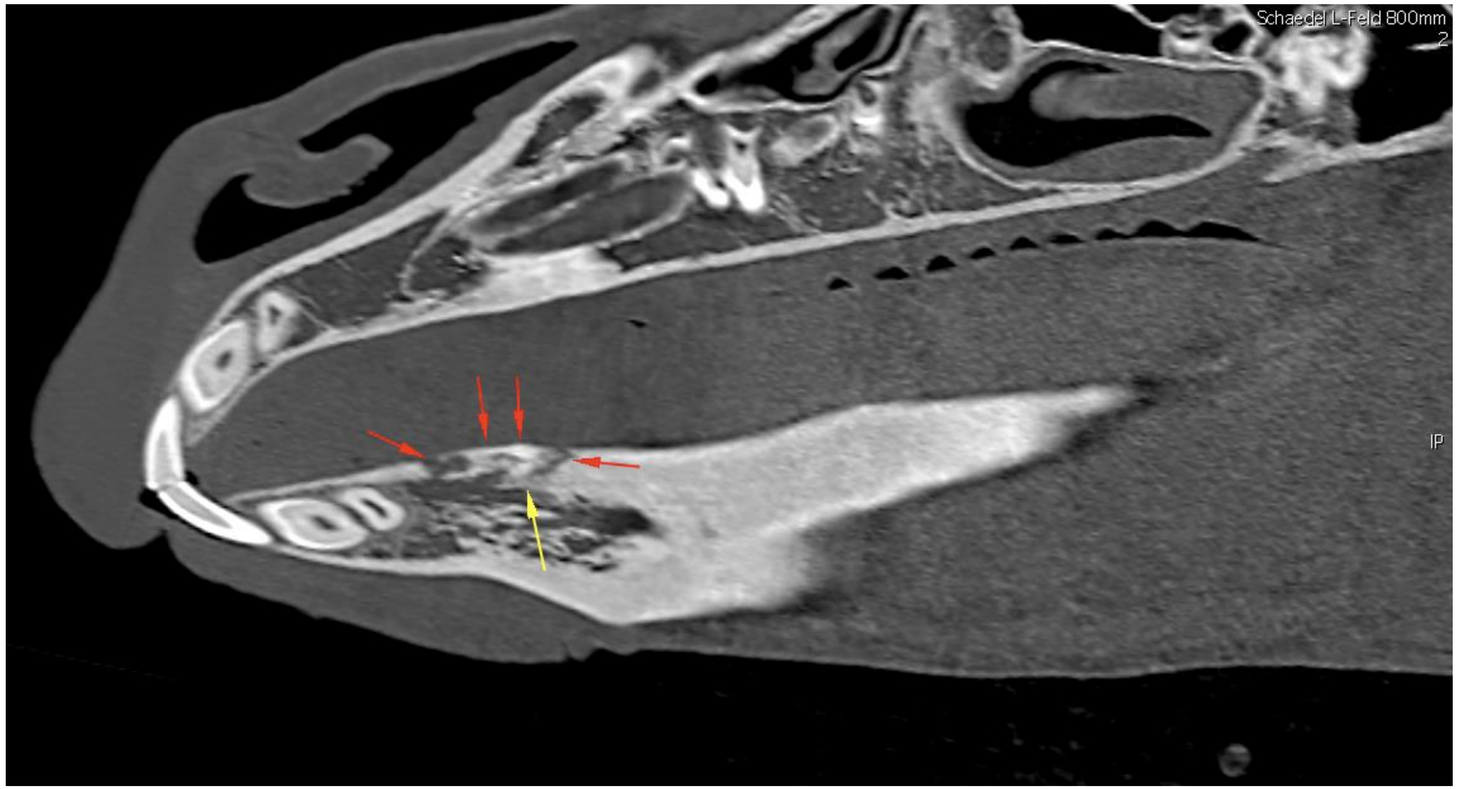
Anamnesis - Examination 👌 ✅

- which symptoms are there?
- are there any further examination needed?
- treatment possible?
  - spec usable? 🛑
  - loose teeth, bar injured, possible fracture
- consequence
- follow ups needed
- costs (you are not responsible for the cost but you have to explain)



Anamnesis - Examination





Anamnesis - Examination



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Anamnesis - Examination





General Examination 👌 ✅

- general condition
- feeding, fur, limbs, lower abdomen,etc.
- scars, injuries
- swelling, scabs (head), nasal discharge, smell
- P, R, T !!!
- auscultation double-sided
- lymphnods, hyoid

Documentation

horses for slaughter- medication - UELN

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secure working set up 👌 ✅

- secure for everyone!
- horse breed
- peaceful - silence
- light/sun/shadow/windy ?
- slippery, even? 🛑
- good working place
- water, electricity
- feeding, daytime, people





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secure working set up 👌 ✅

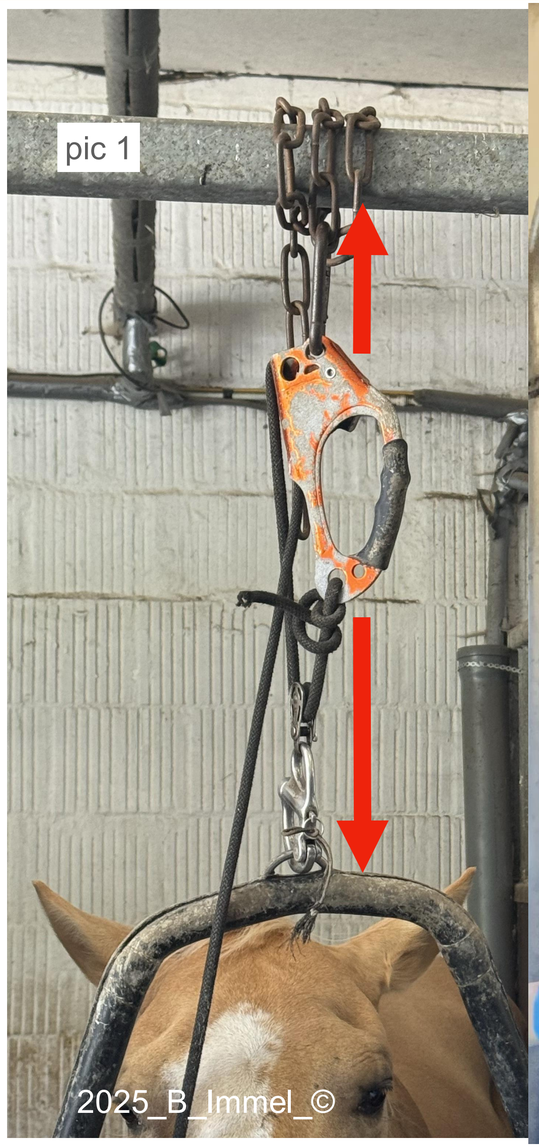
horse:

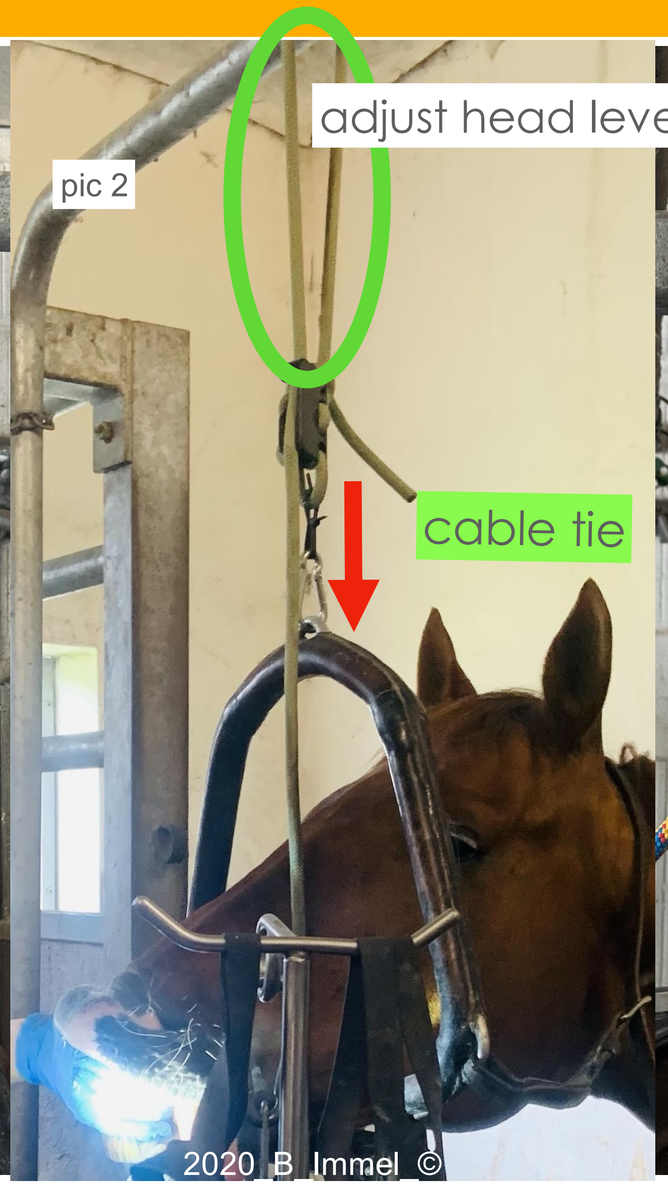
- examination in a familiar surrounding?
- watch the horse eating?
- fly/ sweat blanket?
- holter, brilde, rope?
- last food intake, last drinking?
- aftercare: when?

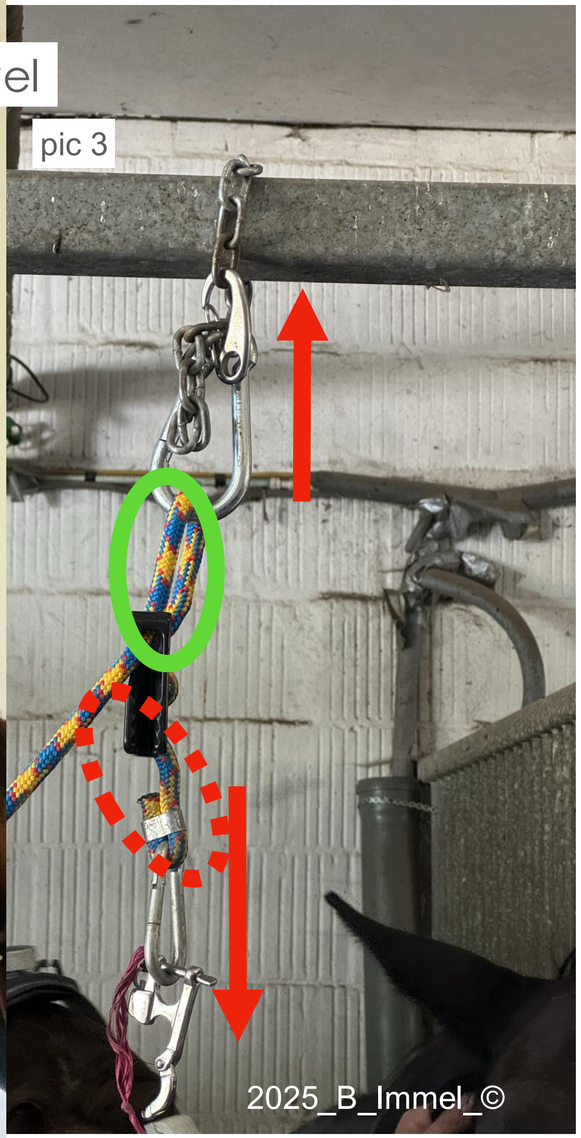


secure working set up 👌 ✅ 🛑 suspension

- lift up the head
- don´t twist, shorten the distance
- **emergency backup**
- head straight
- consider ground level
- consider horse height
- consider chair height







secure working set up 👌 ✅ 🛑 stand

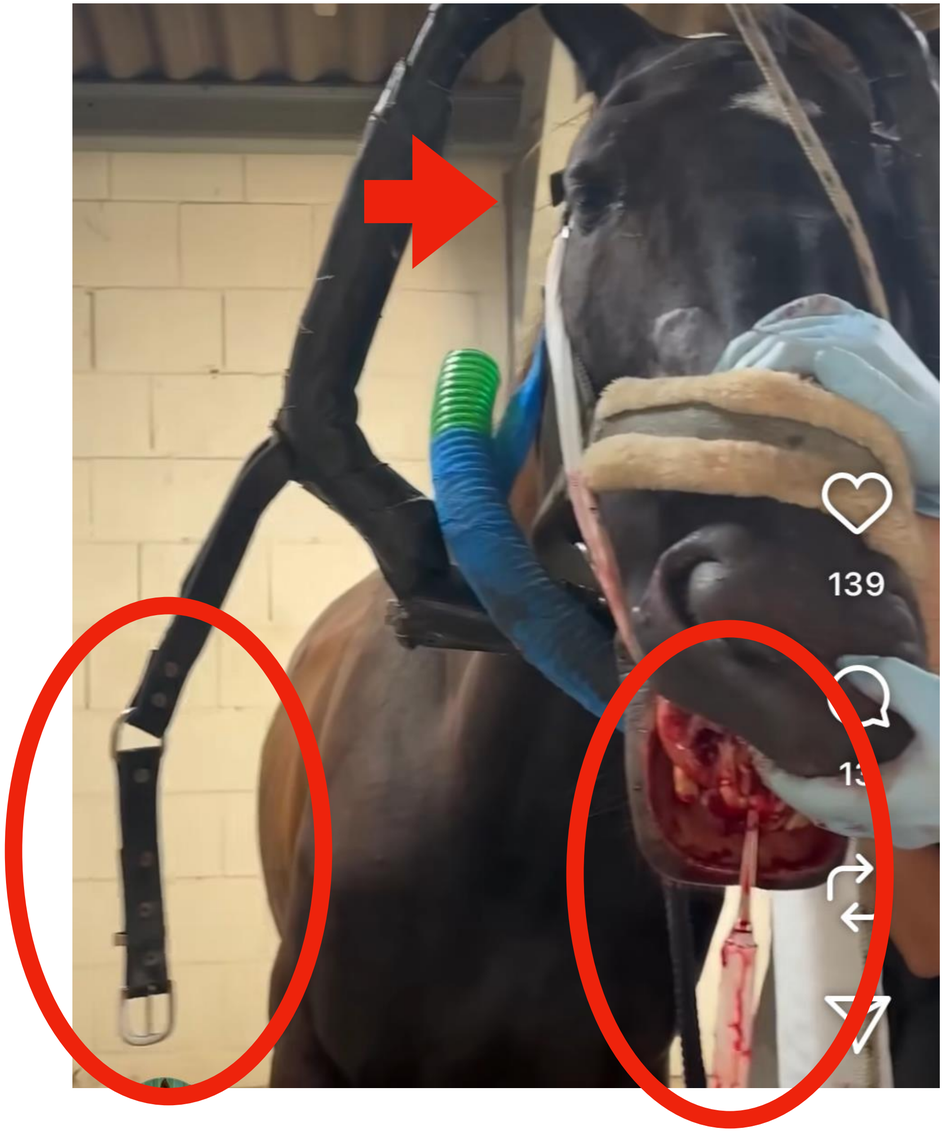
- need support staff (owner???)
- less variable ? less adjustable? height
- lift the horses head
- 10 kg, needs more space in your car
- more contact area
- set up possible everywhere - easier
- better for head shy horses
- claustrophobic
- less sedation needed
- „owner like it betterr“
- „chiropractor like it better“
- different heights in mm

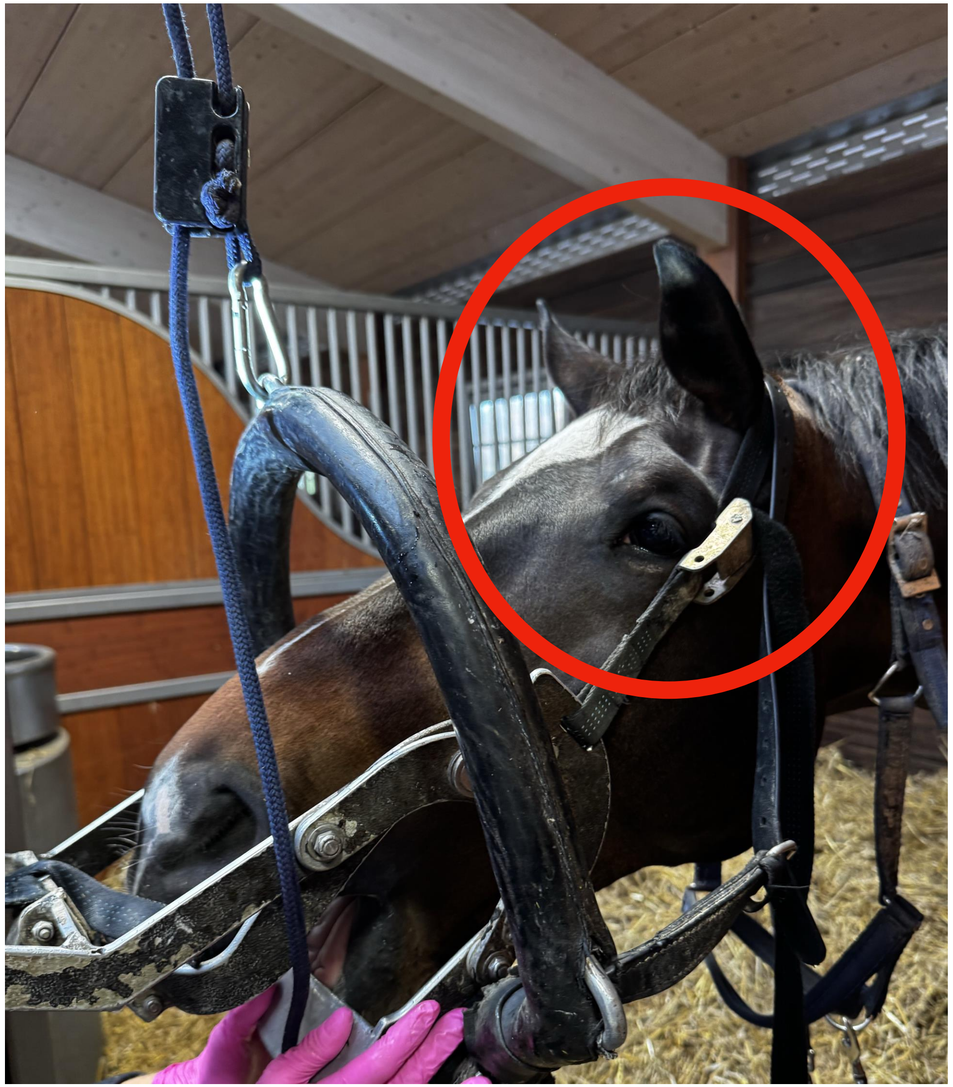

Quelle: Instagram


Quelle: Martin Graeme

suspension and halter

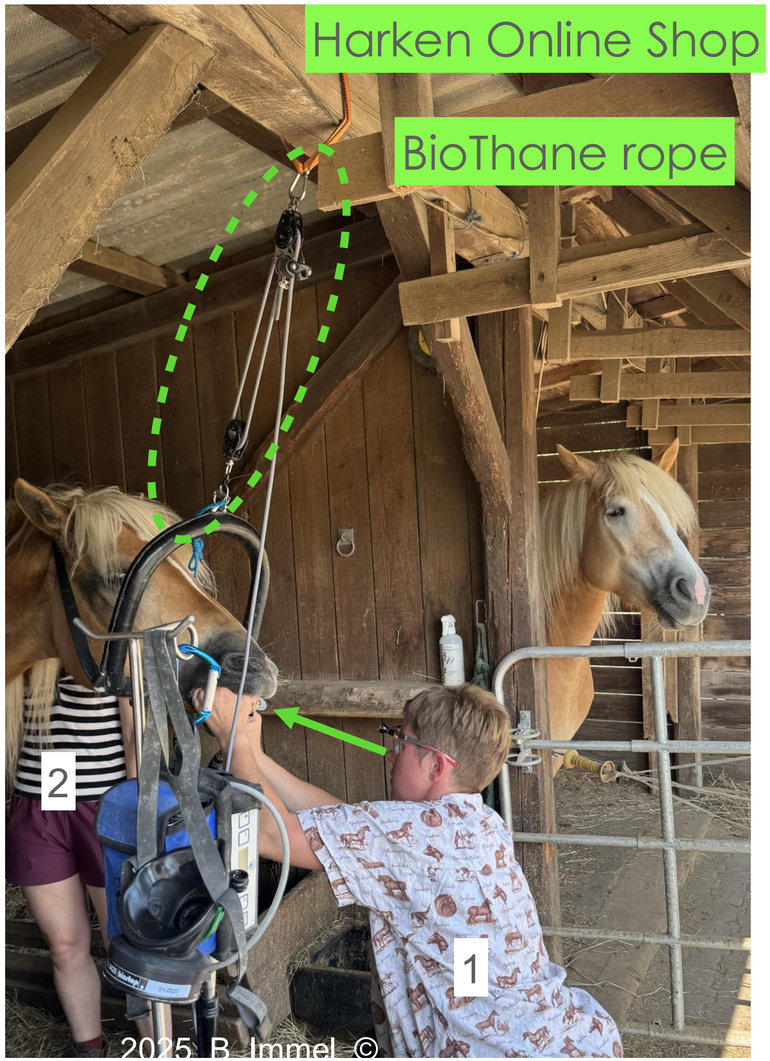
- Halter and sec have to be used and closed correctly **(eye)**
- check secure seat (watch ears)
- **Arteria palatina major** (Wolfszahn/SZ OP)



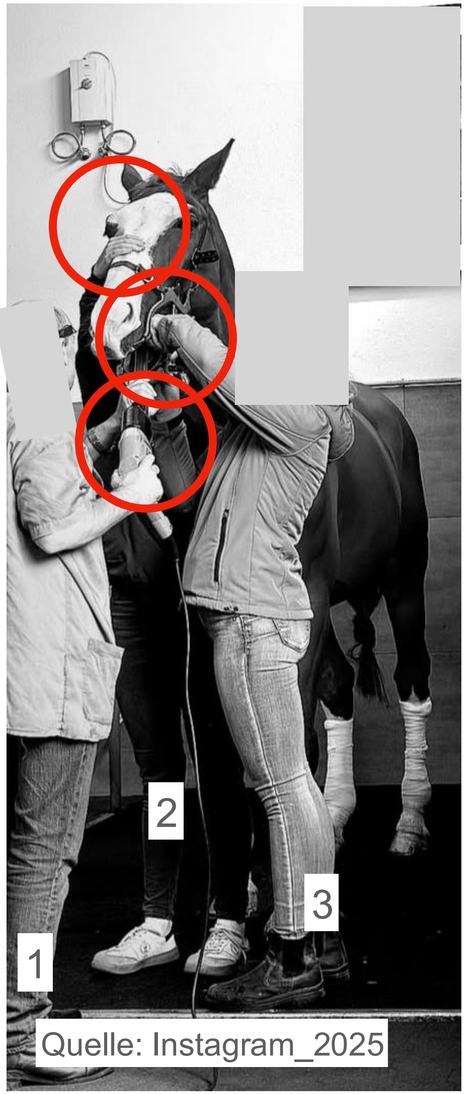


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Do´s and Don´ts







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examination on a sedated horse ✅ 🛑

- first spil the horses mouth!!!
- **Occlusion** check before * put in a spec:
  - how are the molars in contact/occlusion?
  - beware of the height if the horse head
  - how do the incisors open (left/right)
- Gingiva/incisors/bar/palatinal/wolves teeth (missing, pain, etc.)
- examine with a mirror?
- endoscopy possible
- **documentation**



Speculum

- don´t put in on the ground (hygienic)
- don't use it in a unseated horse
- perhaps a high plate for the incisors
- replacement spec, spring..
- secure seat of the spec (occiput, chewing horse)
- always hand on the nose
- no straight arm in a horses mouth



Speculum ✅





Instruments

- new ?
- clean!
- neat !
- functionell ?





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Instruments ✅ 🛑





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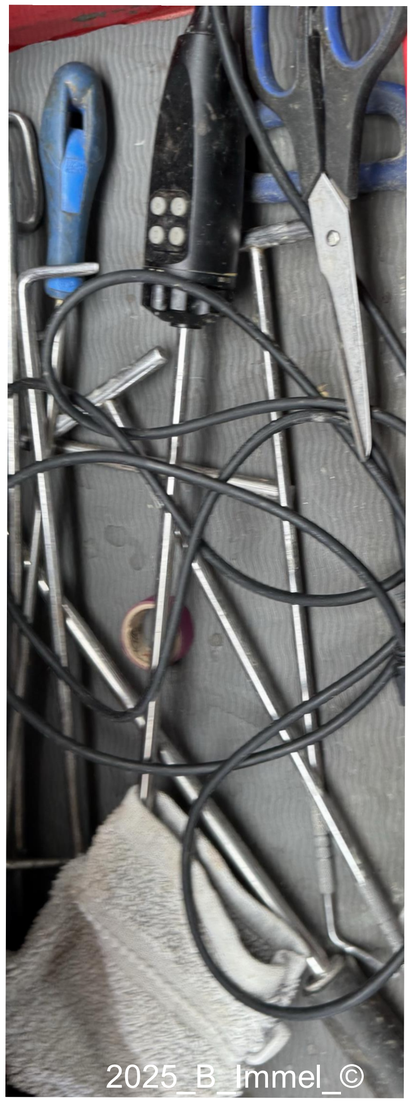
Instruments ✅ 🛑





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Instruments





Instruments

- heat
- pulp harm
- used
- plain
- unusable
- horse reacts restless





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working position

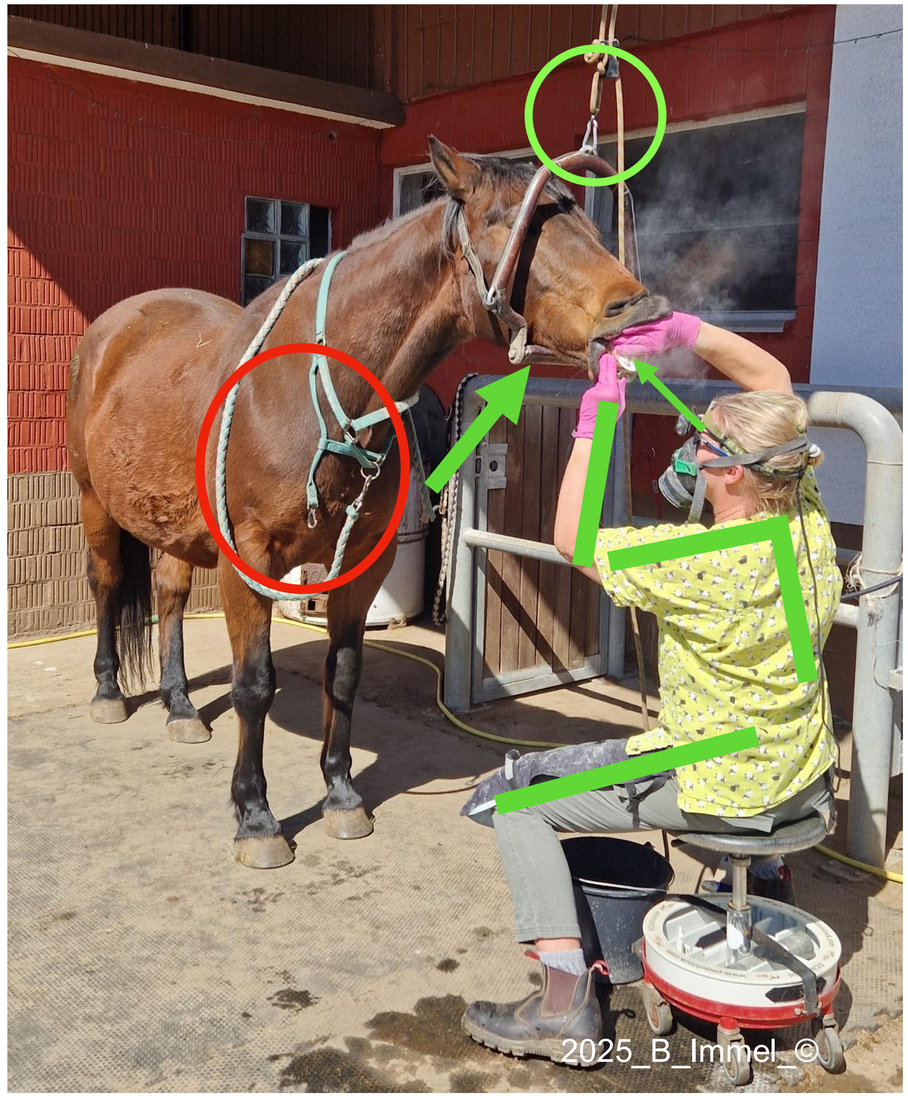
- sitting/standing
- head stand / suspension
- horses head high enough
- sit straight and open
- lower your should and loosen your hand
- don´t creep into the horses mouth
- head lamp - point - light beam



working position

- lift the horses head
- no hunchback
- distance to the horse mouth
- relax shoulder, hands, and fingers
- open hips



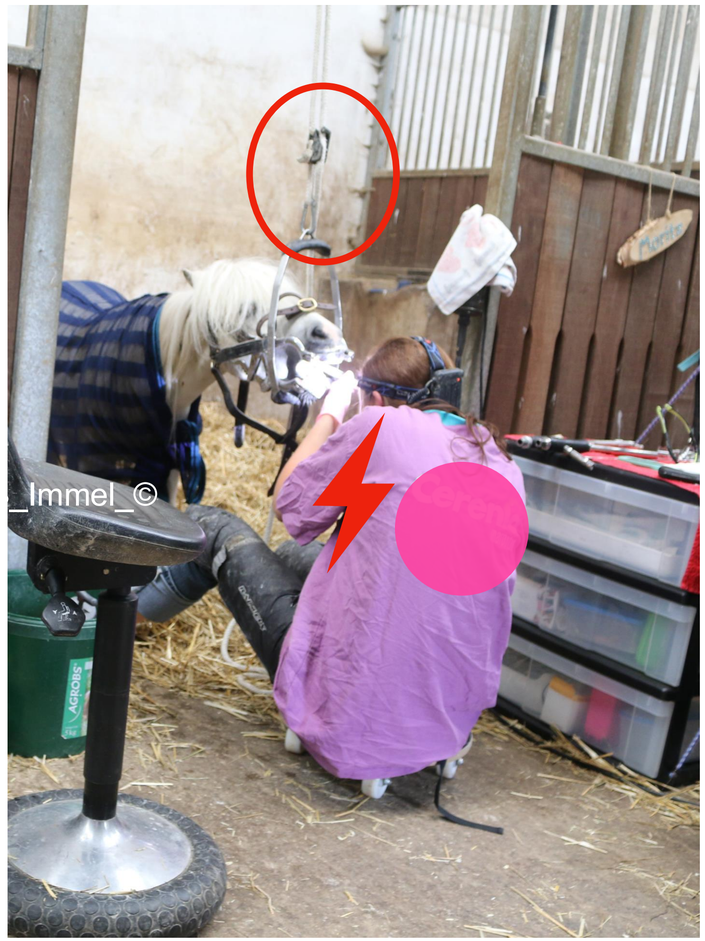


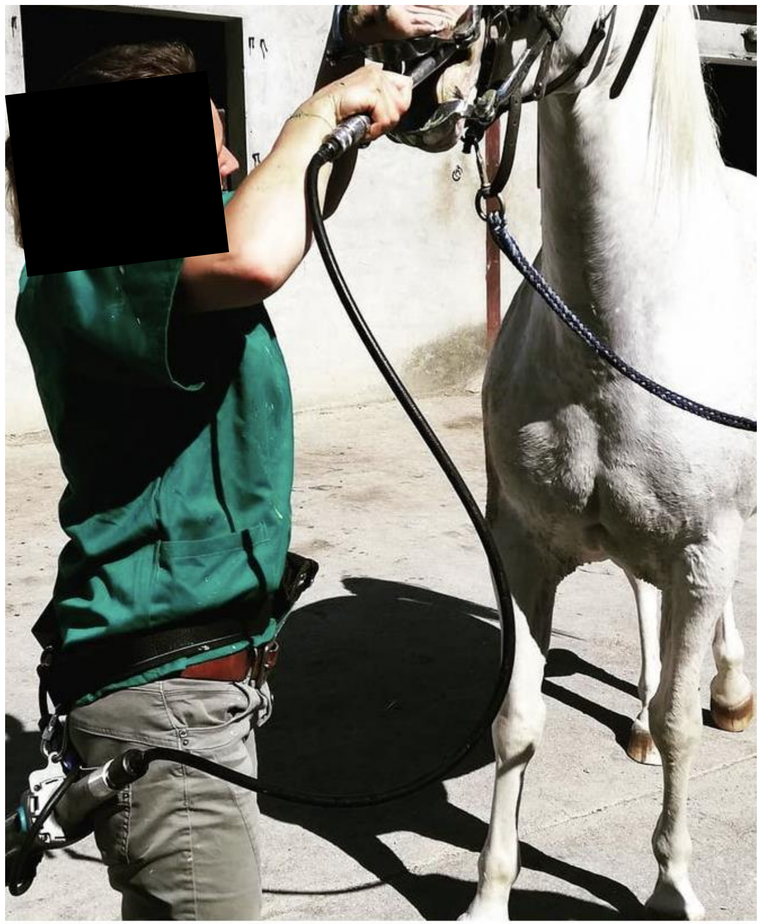
working position





working position





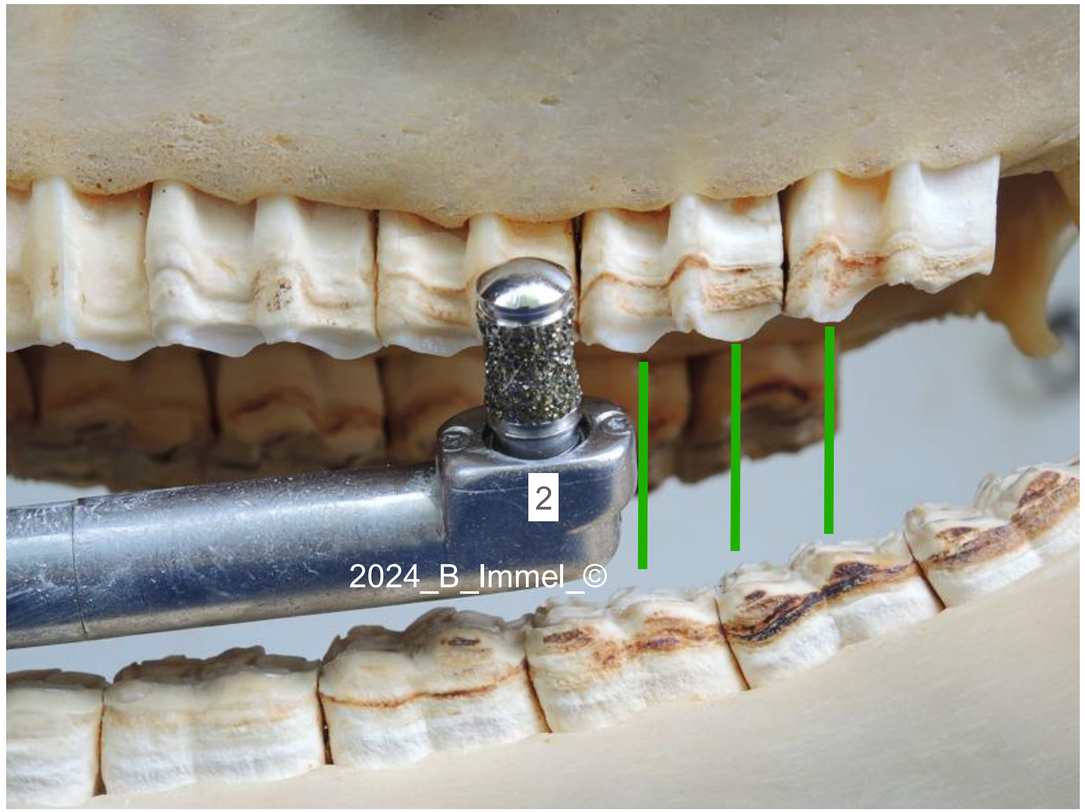
Quelle: Instagram equineexpert



Molar treatment

- take an overview: symmetry - roof of th emouth, gingiva, pulps
- control the pulps, count teeth, use a mirror
- disc(1)
- apple core (2)
- buccal burr (3)
- burr(4)
- angled handpieces
- **remove sharp edges (leave occlusal surface - don't open pulps)**
- remove protuberance
  - hooks, ramps, ATR,…
- flush pockets





Overview





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Molar treatment

- lead the handpiece
- support the handpiece
- perhaps use a tongue retractor
- don´t pull the tongue
- perhaps use vacuum
- perhaps use water irrigation



Quelle: HDE





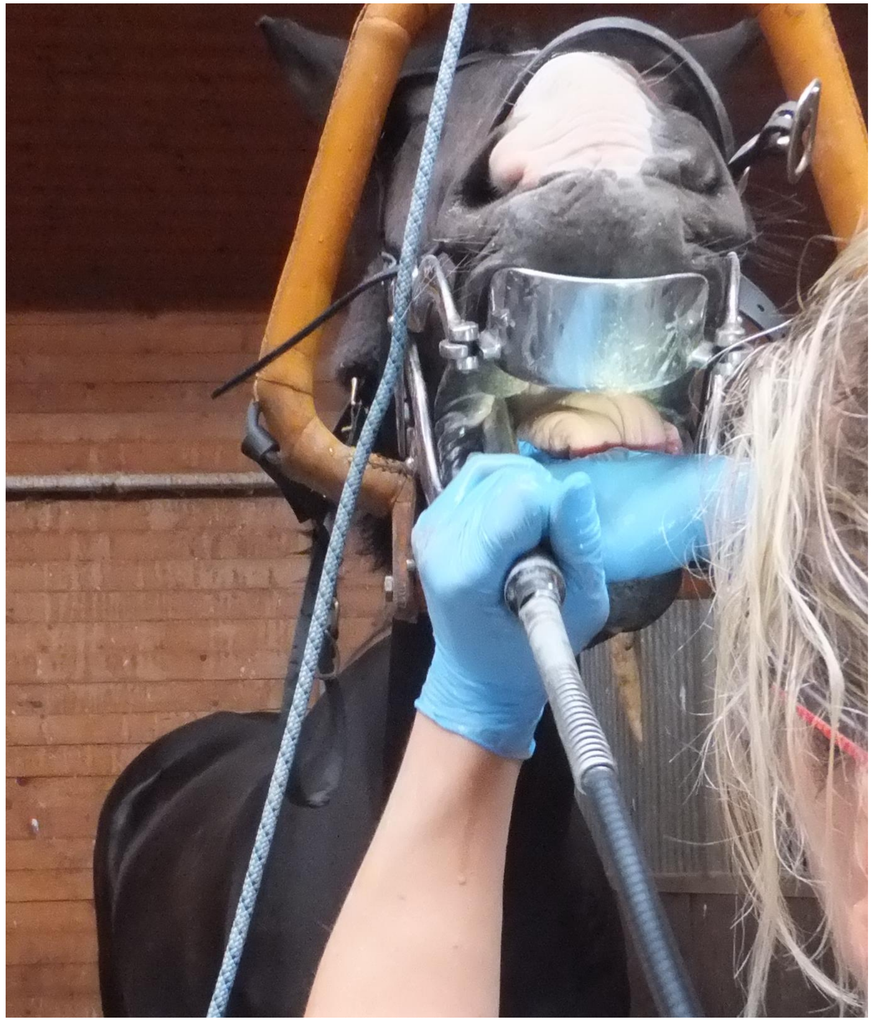
Molar treatment

- position of your hands
- leading long handpieces
- close the spec
- rinse the mouth
- feel the mouth inside before taking of the spec
- check with the mirror pulp positions after reducing high protuberanz
- open up interdental space only under endoscopy control



Molar treatment ✅ 🛑

- ¼ left hand
- ⅔ right hand
- lower molar 11er work perhaps diagonal

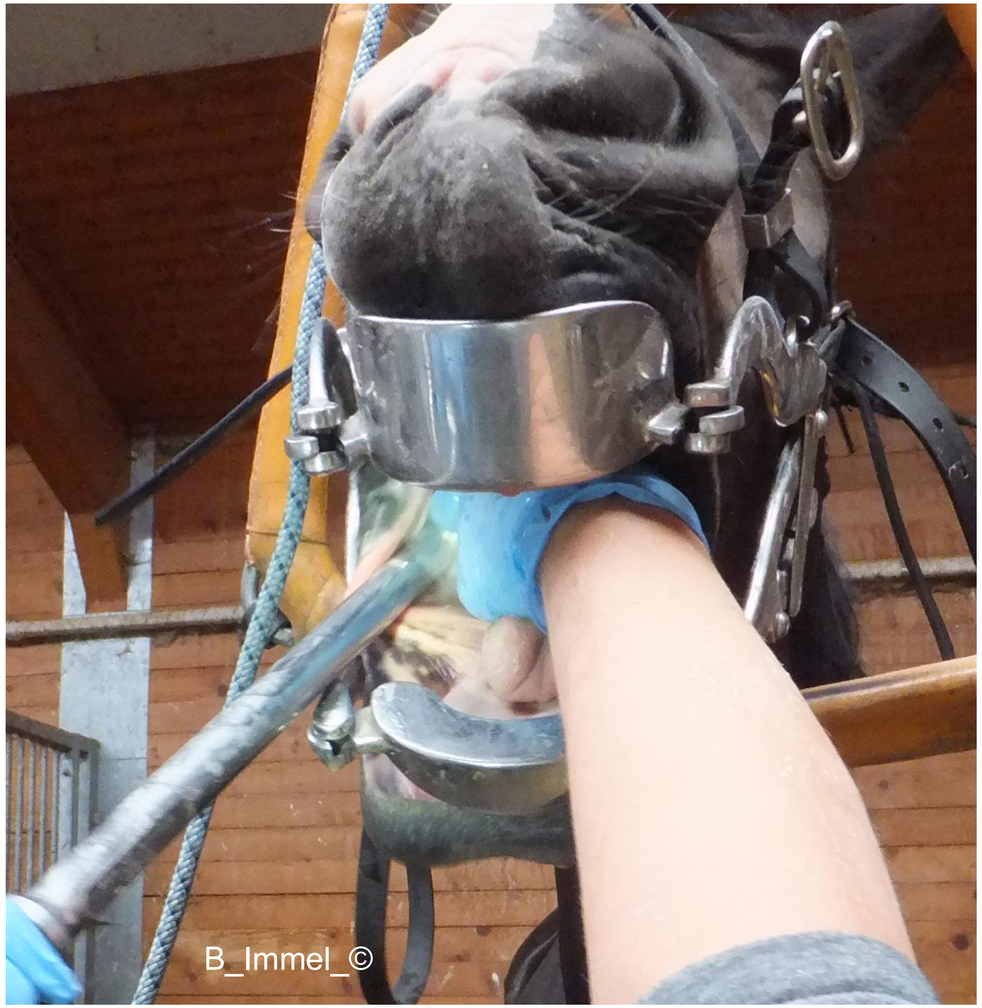


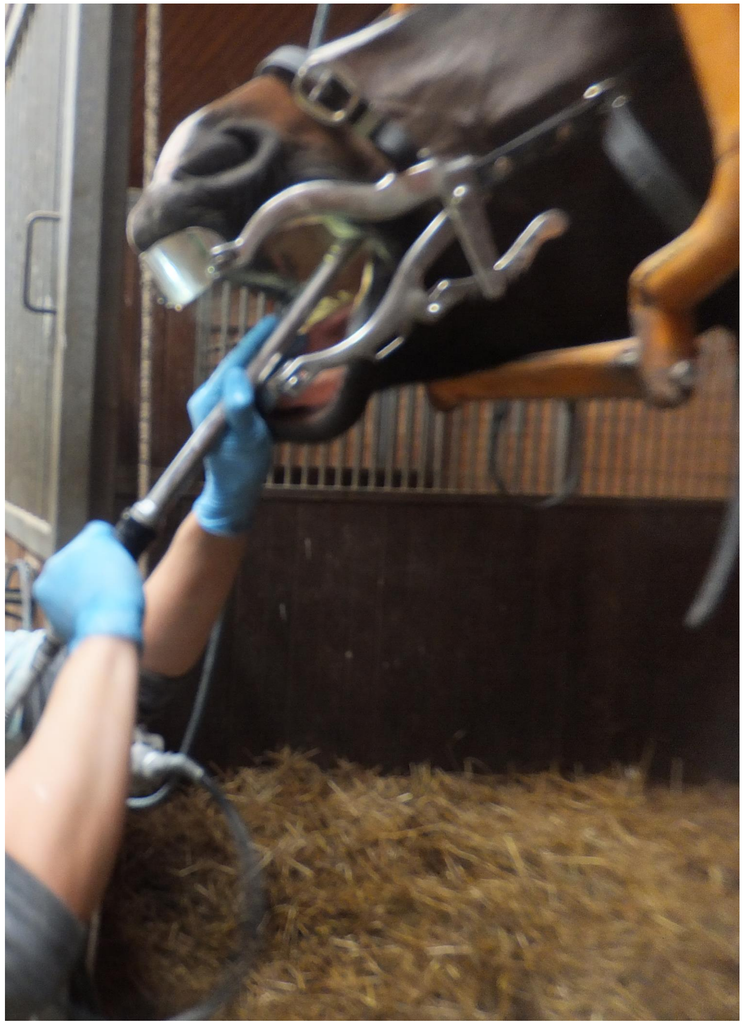


Molar treatment

6er:

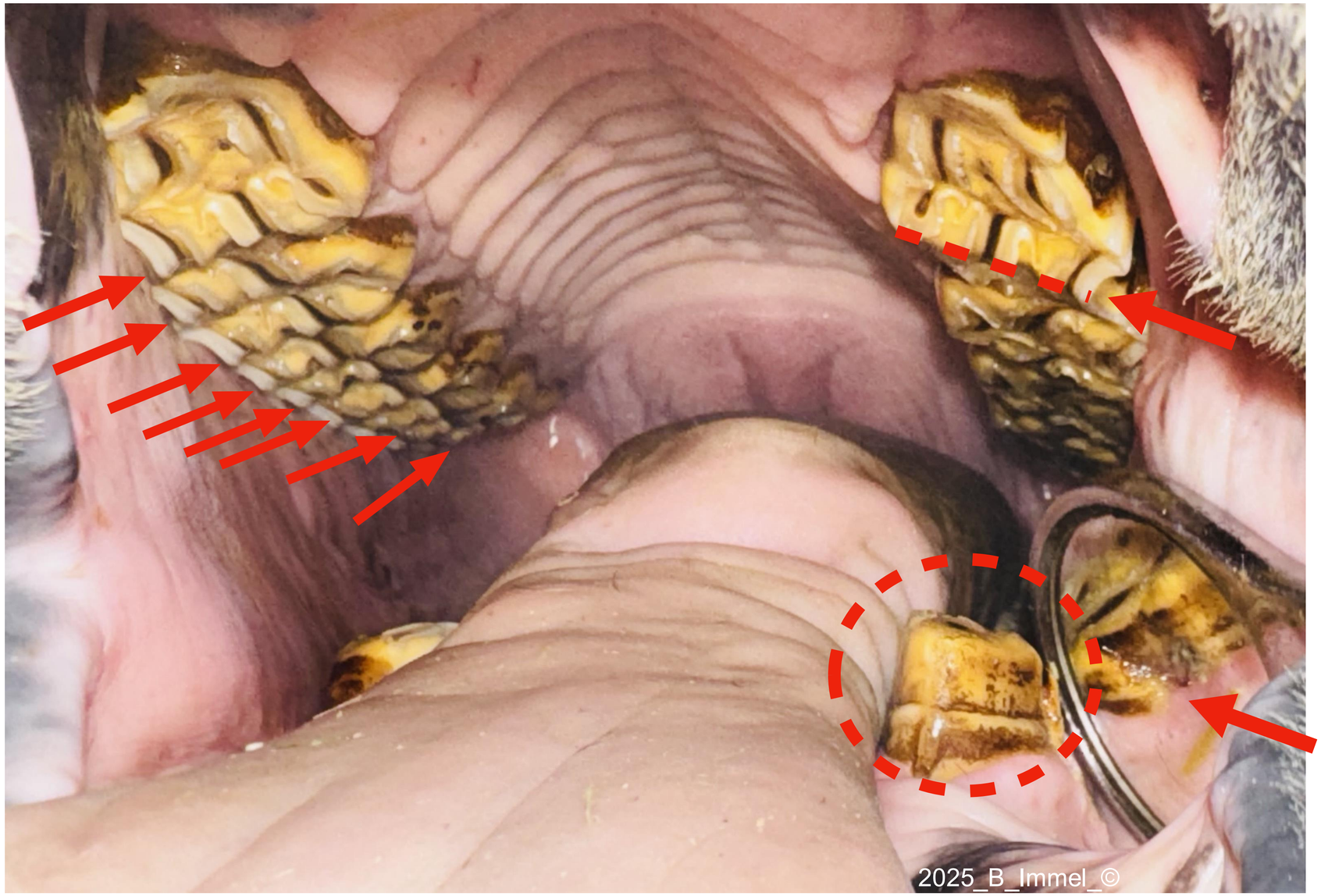
- use the biting plate
- use your hand to protect tongue, pouchy flesh and gingiva and reduce the 6er (build a roof above 6er)





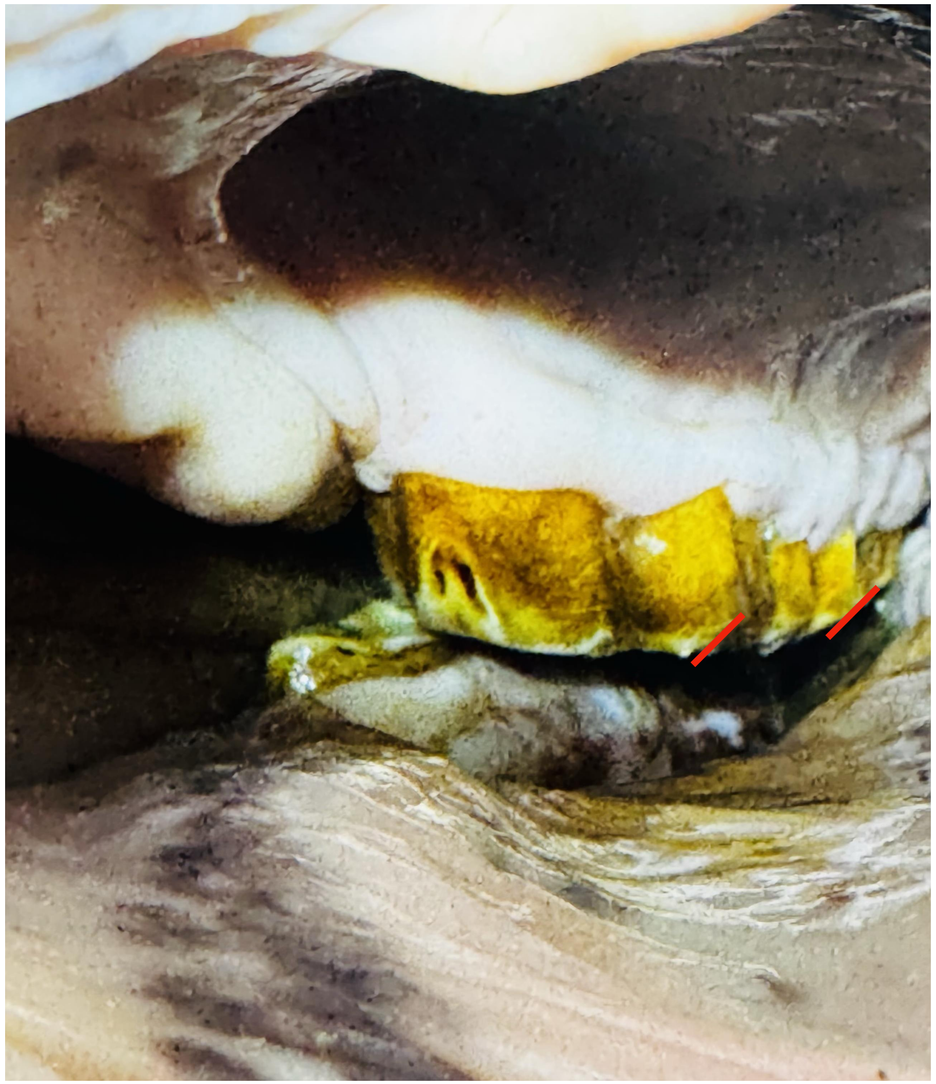
Transversal ridges

- transversal ridges
  - ATR=
  - a= accentuated



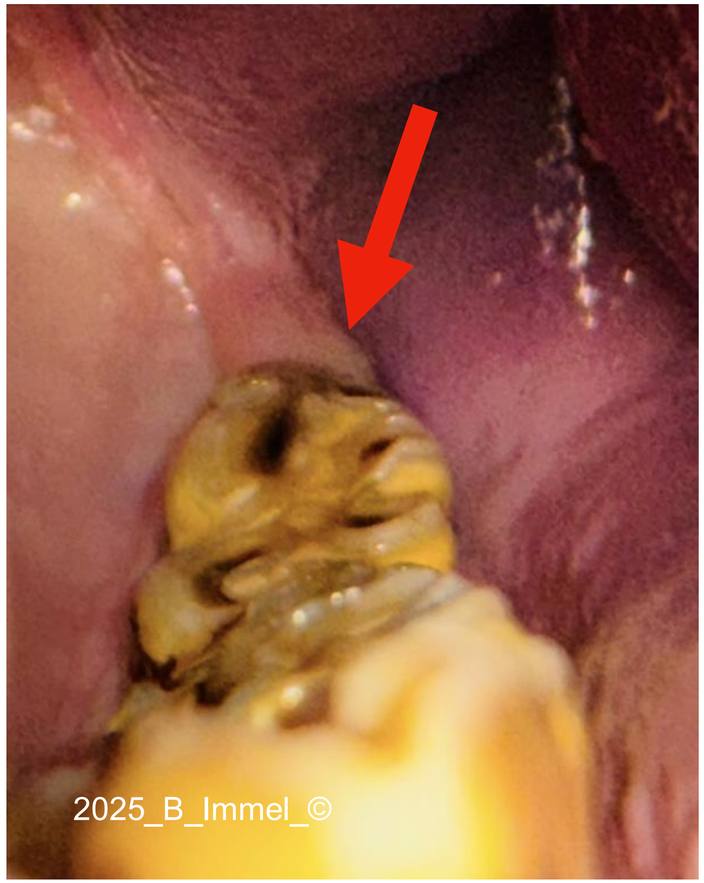
Don´t create new ridges/edges

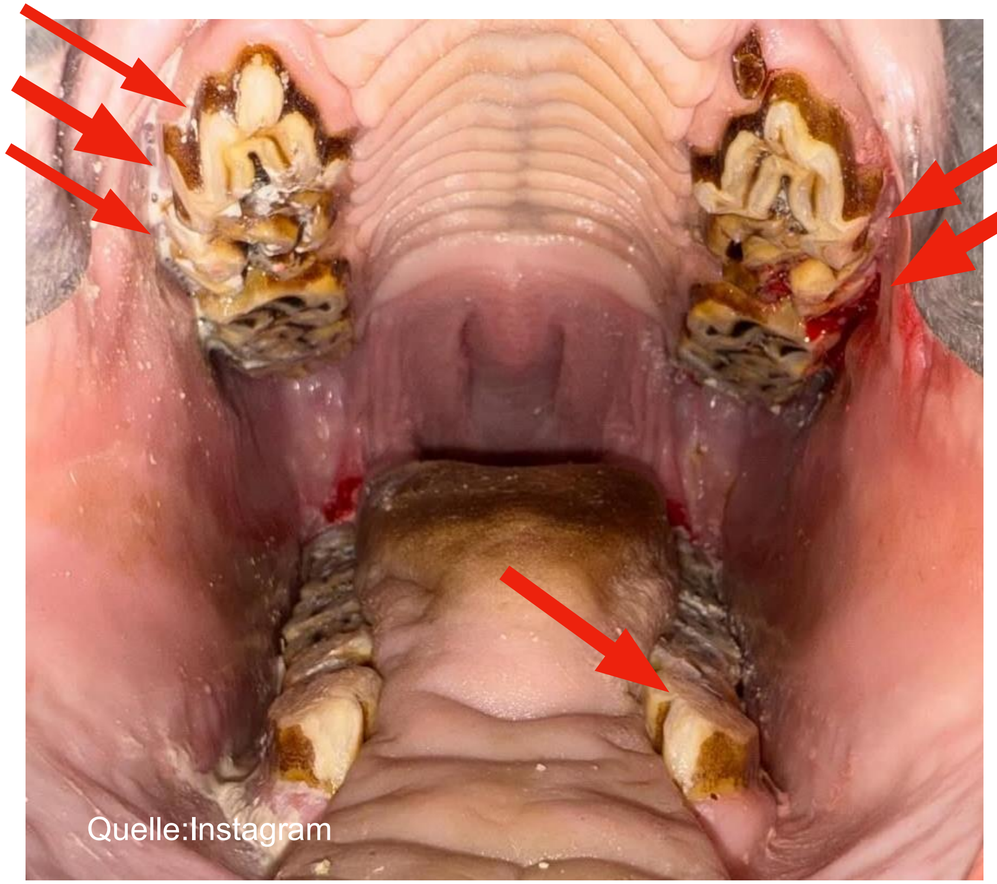




Molar treatment ✅ 🛑

- disc to steep angled
- power of the tongue/cheek
- not well sedated horse
- strong horse



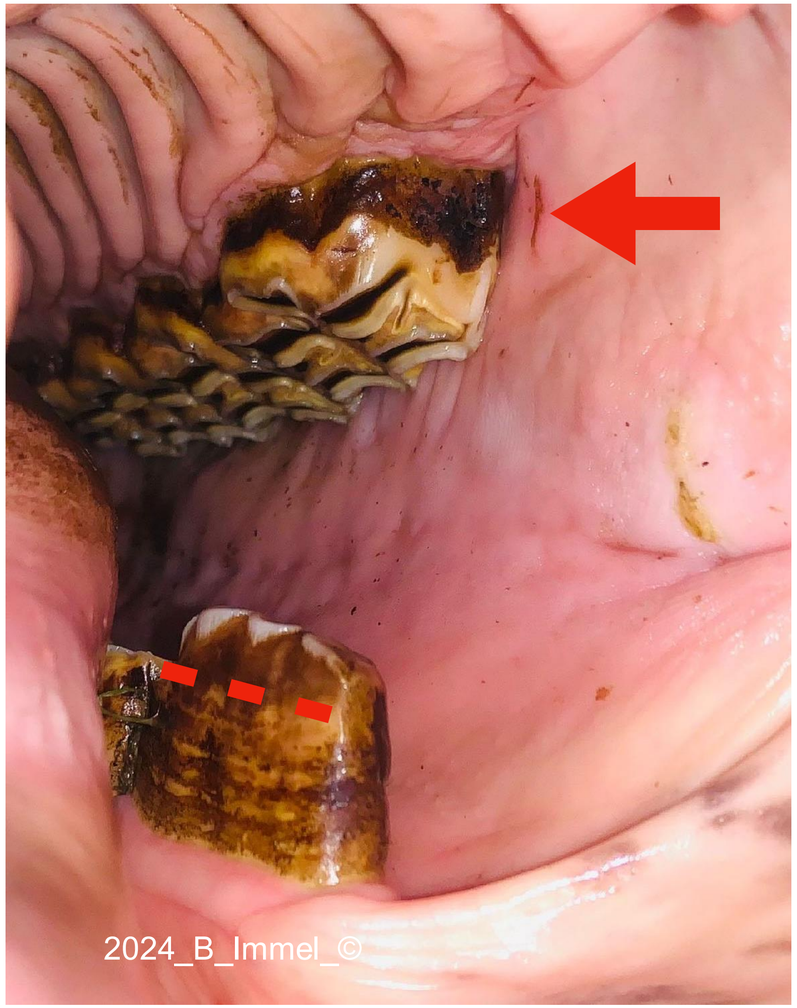


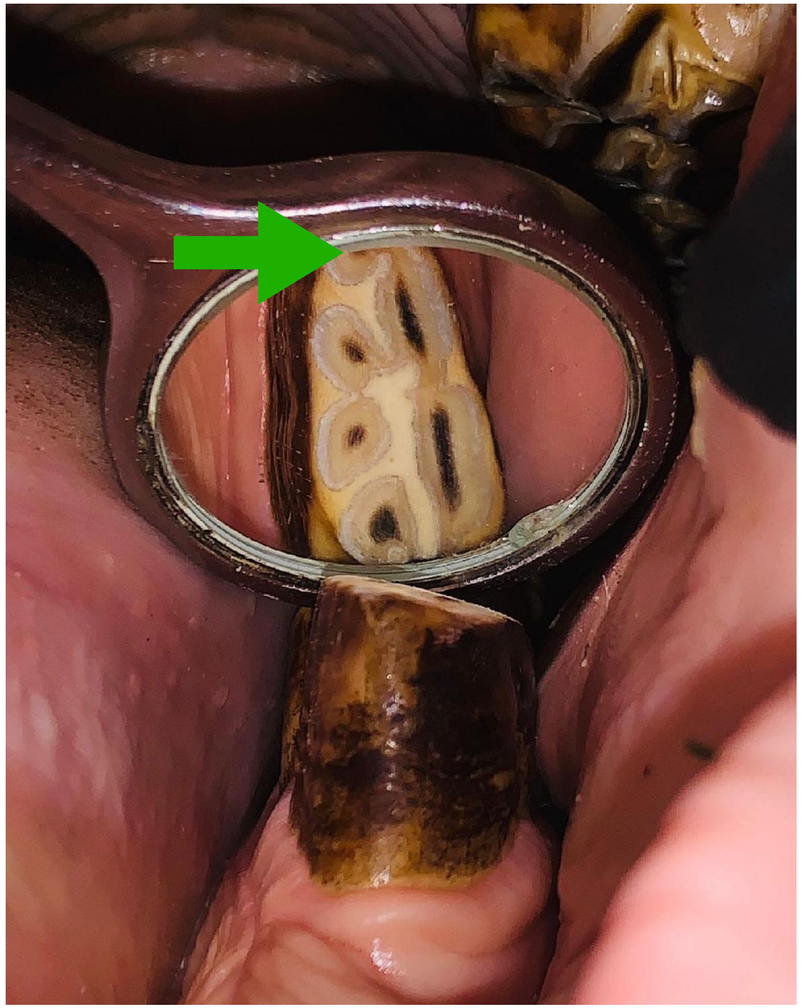
Molar treatment

Stop reducing: asap when the dentin starts to turn light brown

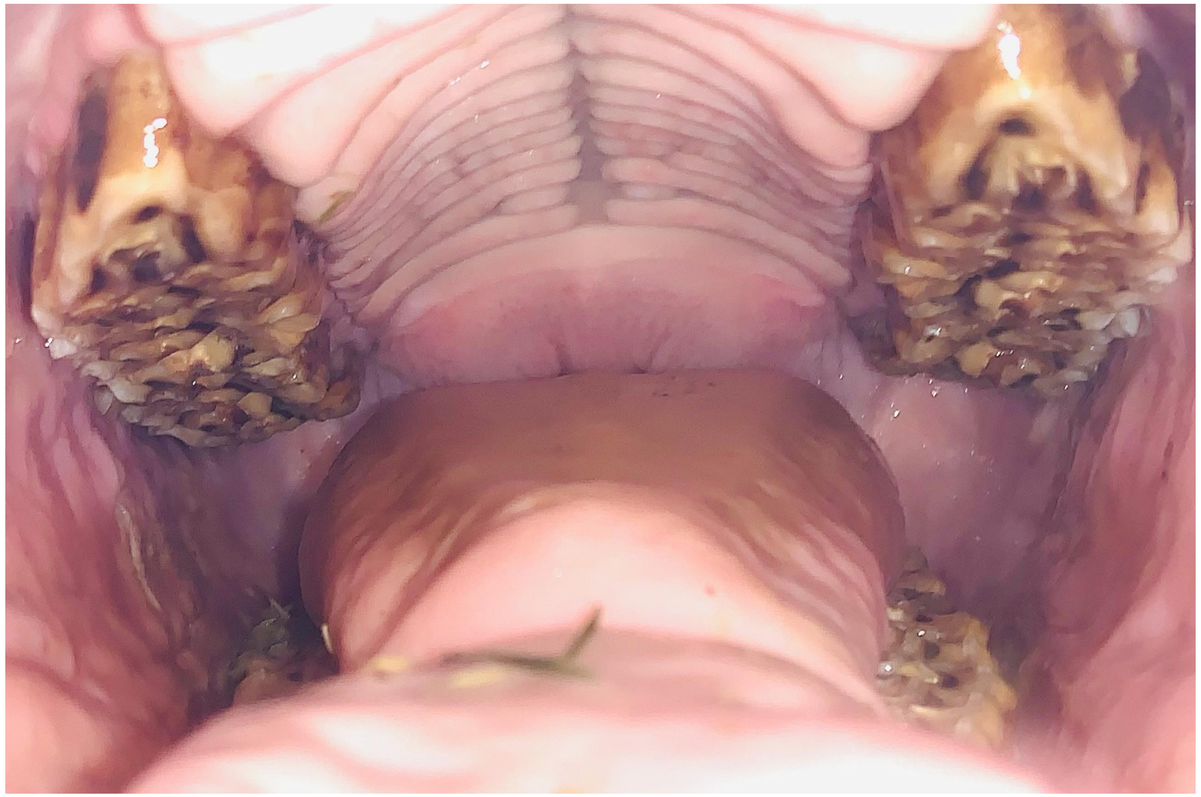
Use shorter time to do dental treatments to make it possible for the horse to do an anterior-posterior movement.

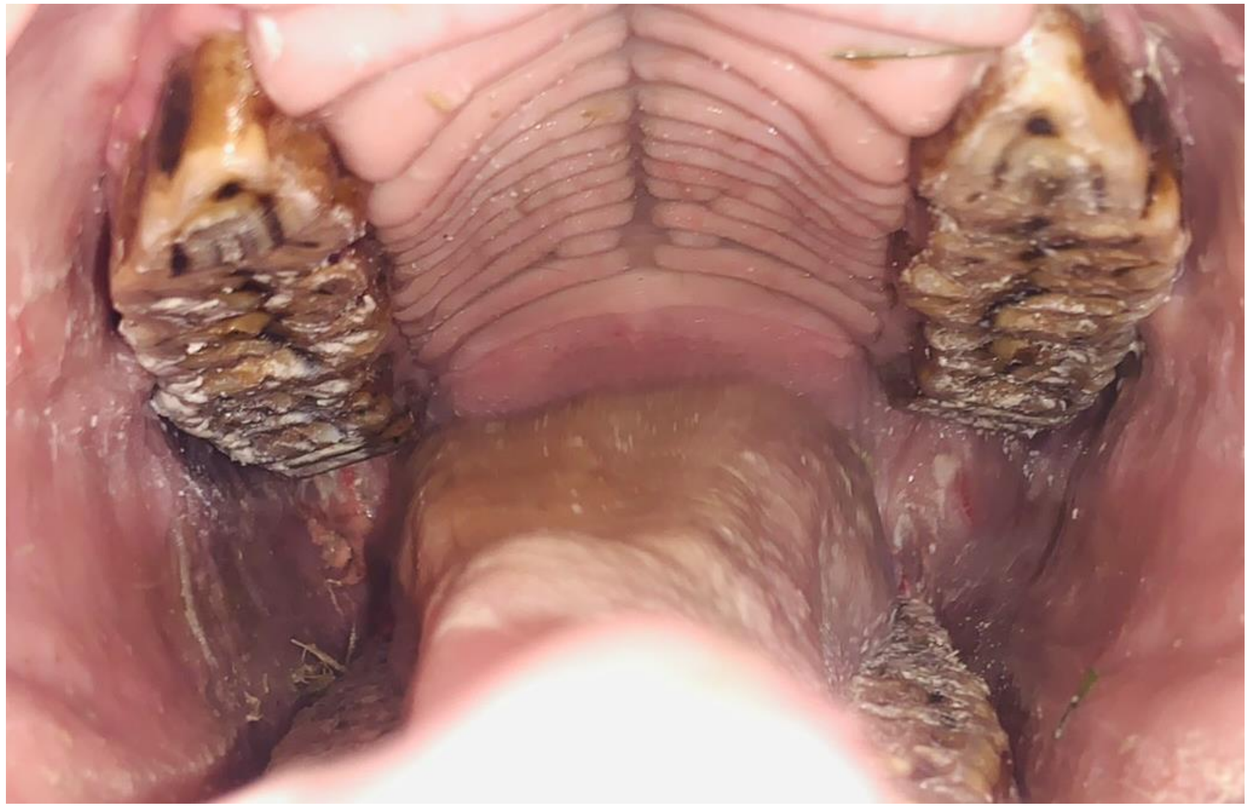
Depending on the age of the horse!



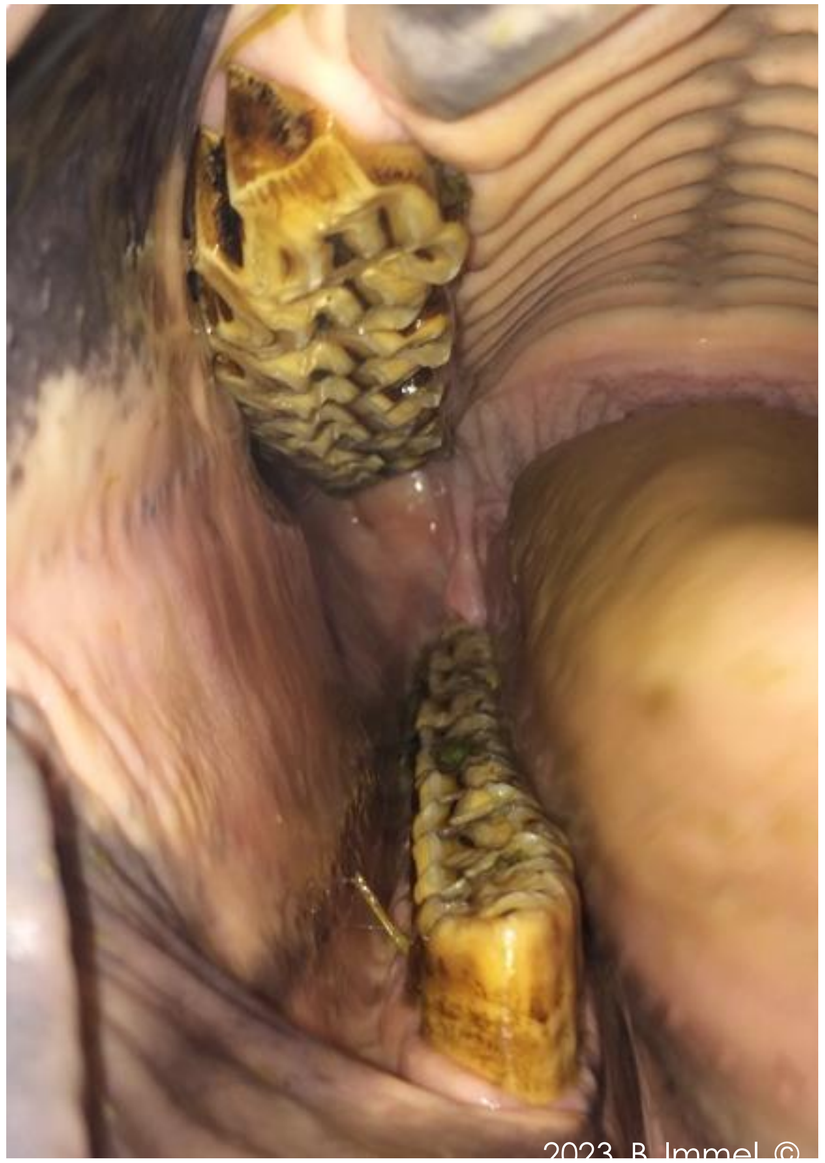


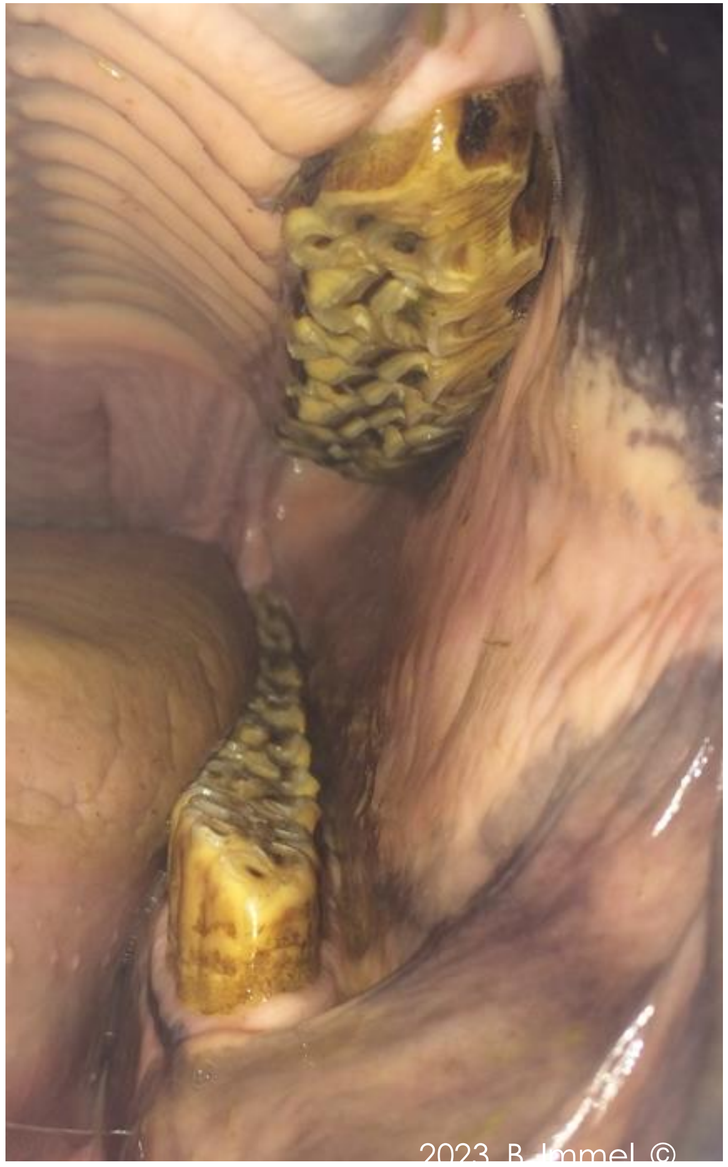
Molar Correction

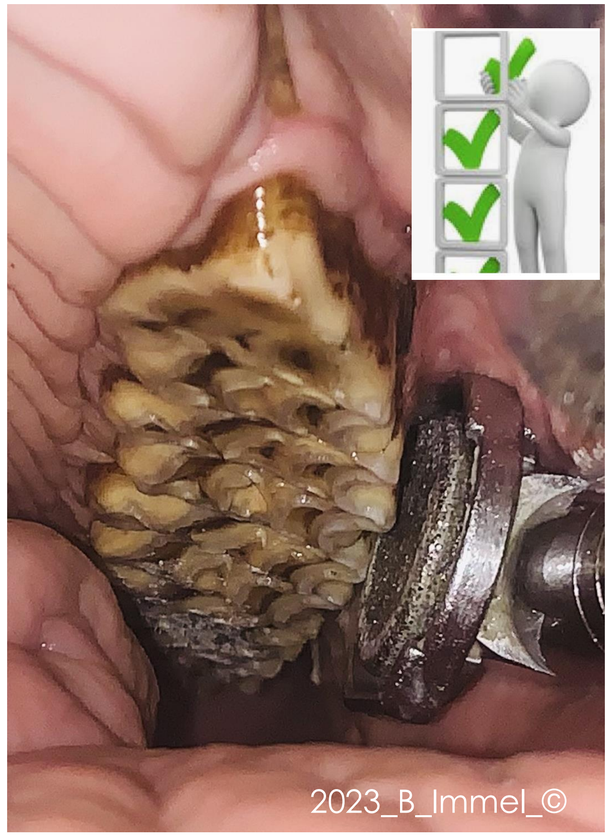




..don´t







should every horse be treated like that?







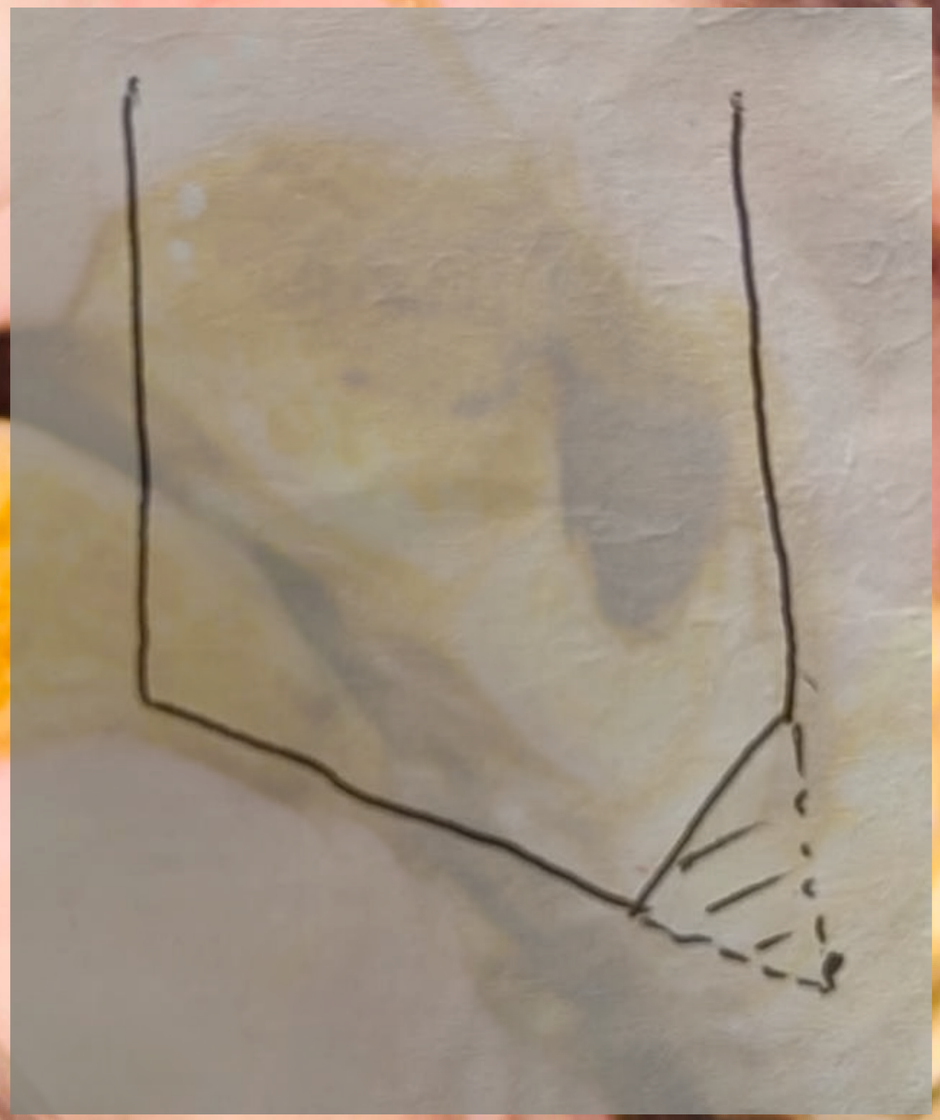
- ATRs
- Angle
- Sharp Points



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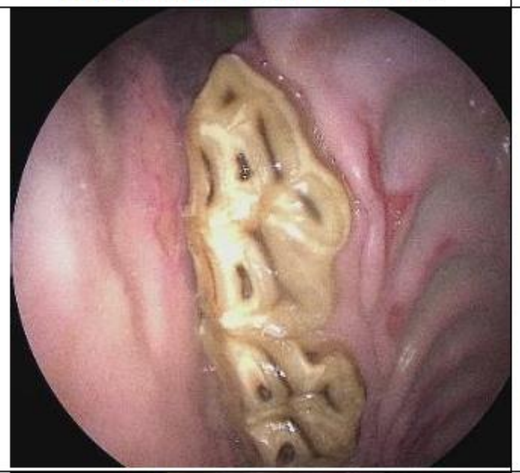
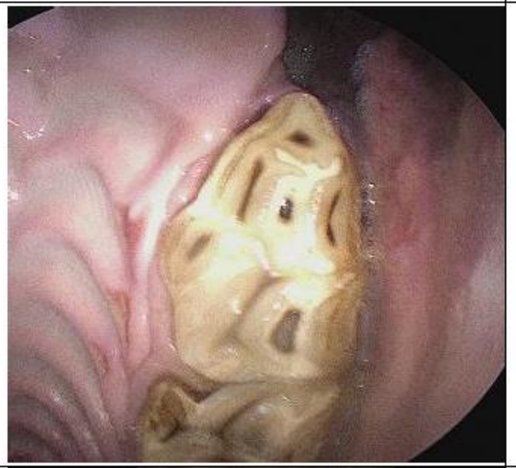
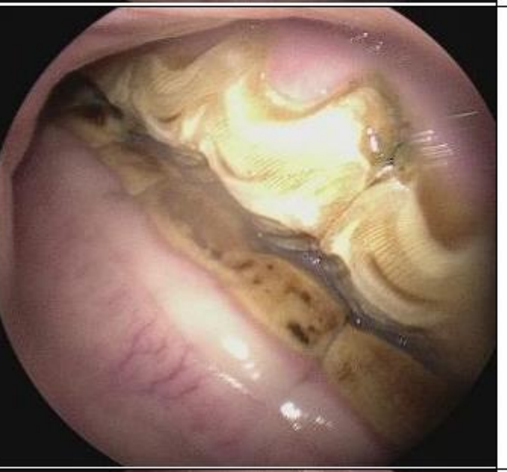




should every horse be treated like that?





Bukkal rechts	Okklusal OK rechts	Okklusal OK links	Bukkal links
			
			
			

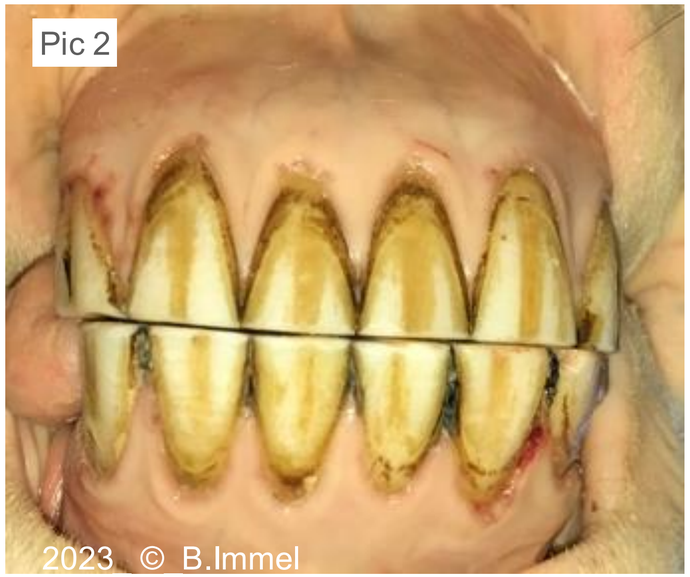
Incisor treatment ✅ 🛑

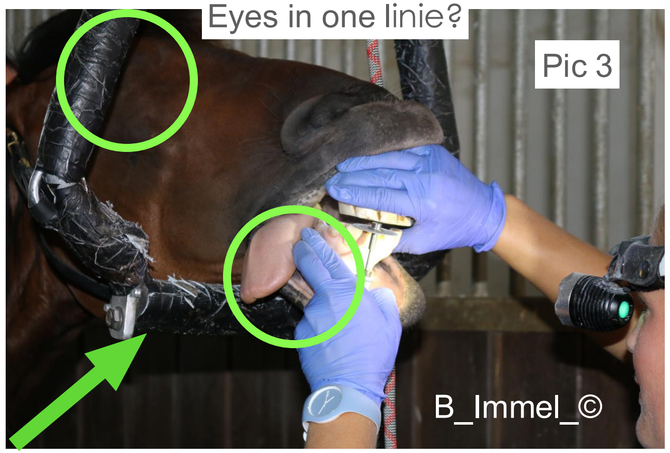
- what do my eyes see?
- what are you looking for?
- Support finger/hands on the horse
- shorten
- straighten
- adapt angle - eyes horizontal
- towards Crista facialis
- angle towards TMj



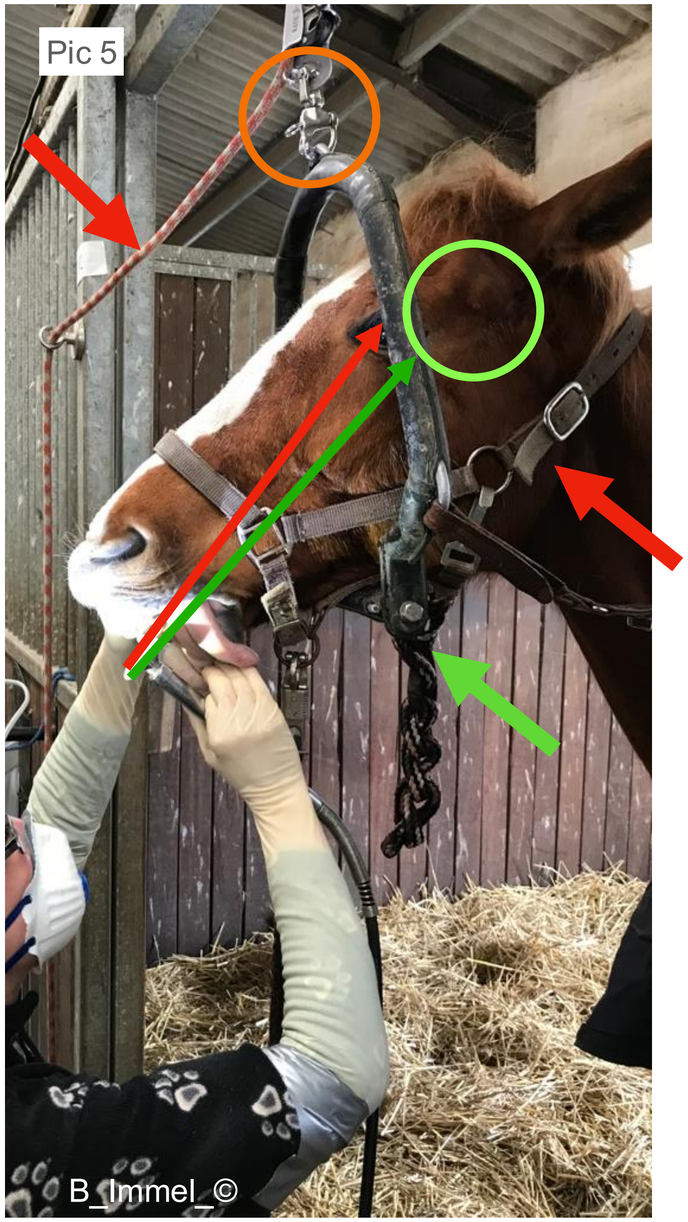
Instruments - 3-point-balance











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Incisor Correction



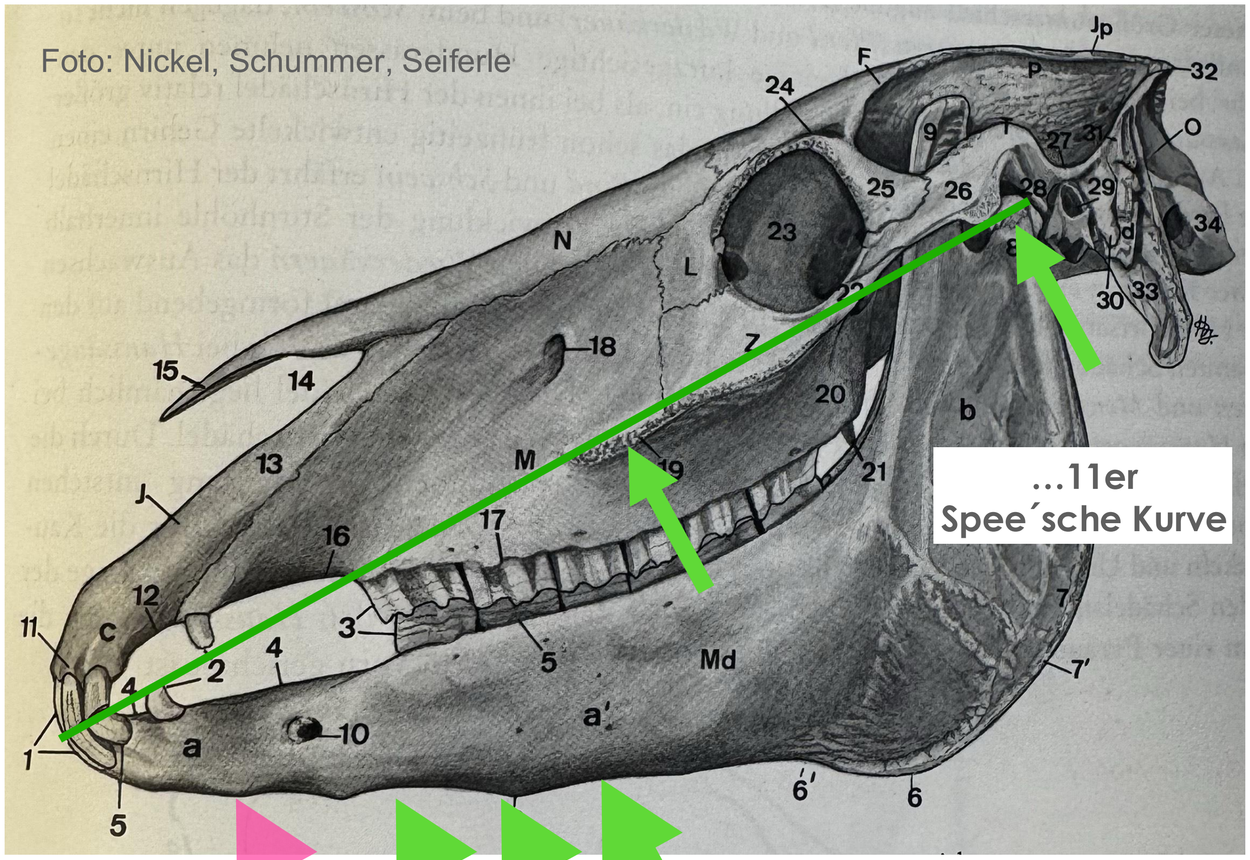


Incisor treatment

Is the head straight? How high is the head? Where does the dental halter sits?

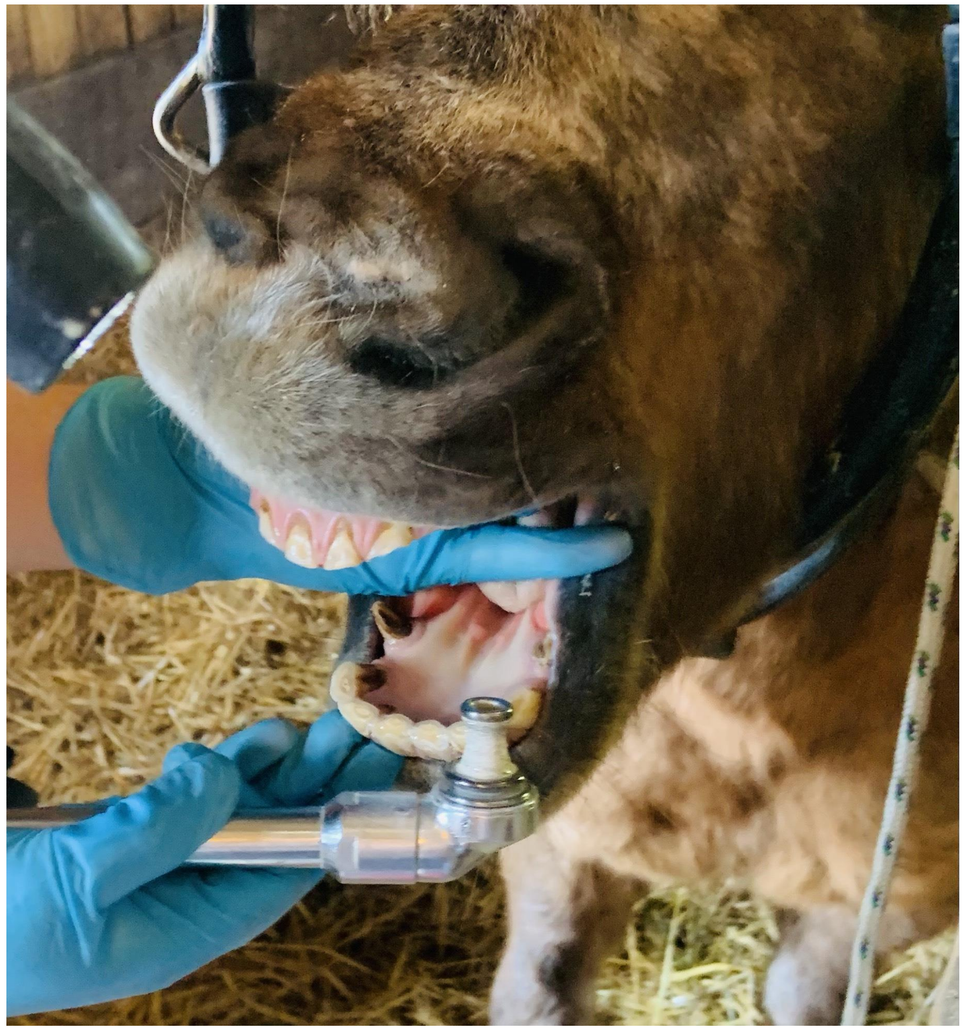


Quelle: IGFP_eV



Incisor treatment

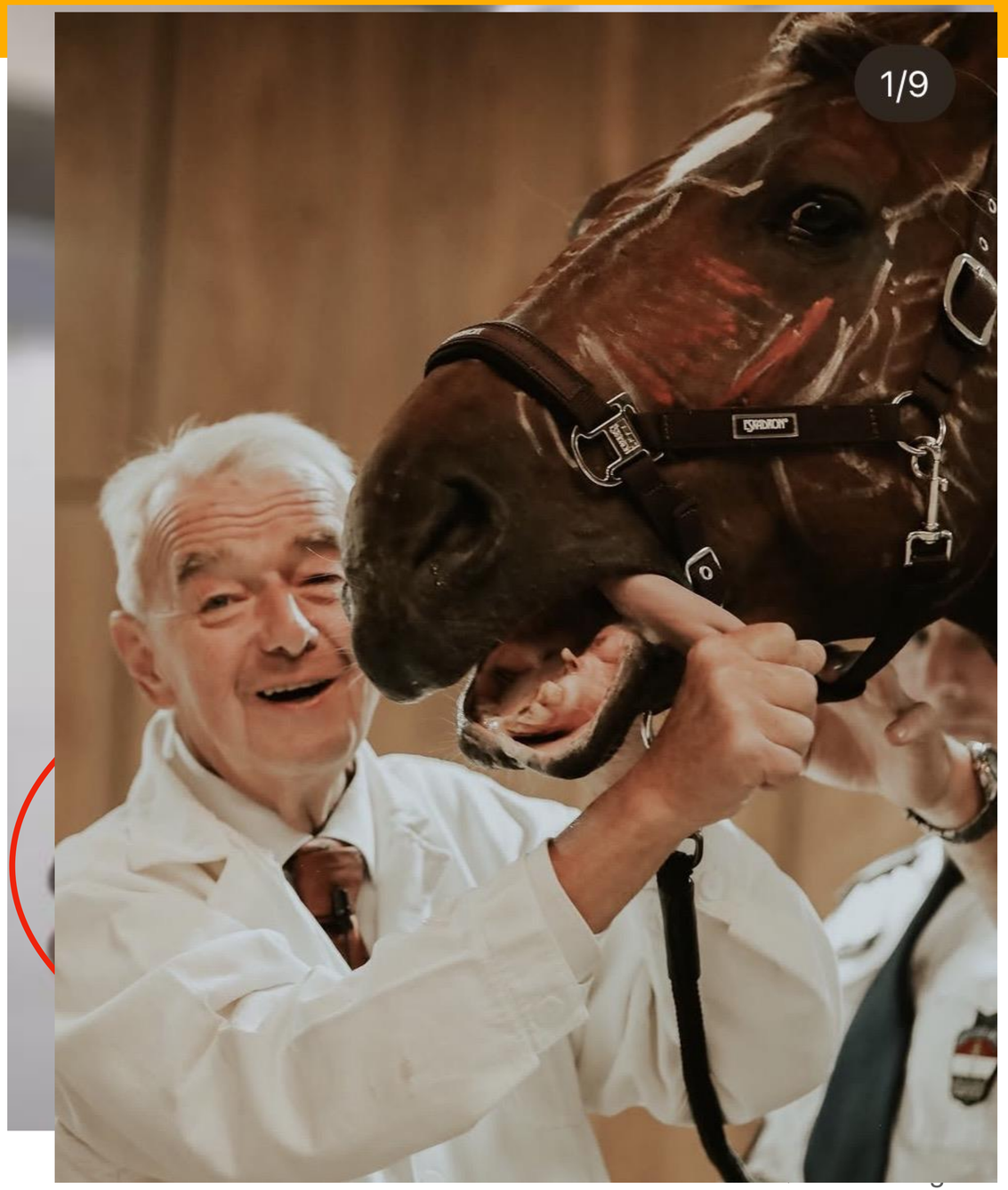
- rounding
- labial
- lingual bzw. palatinal
- possible with a disc

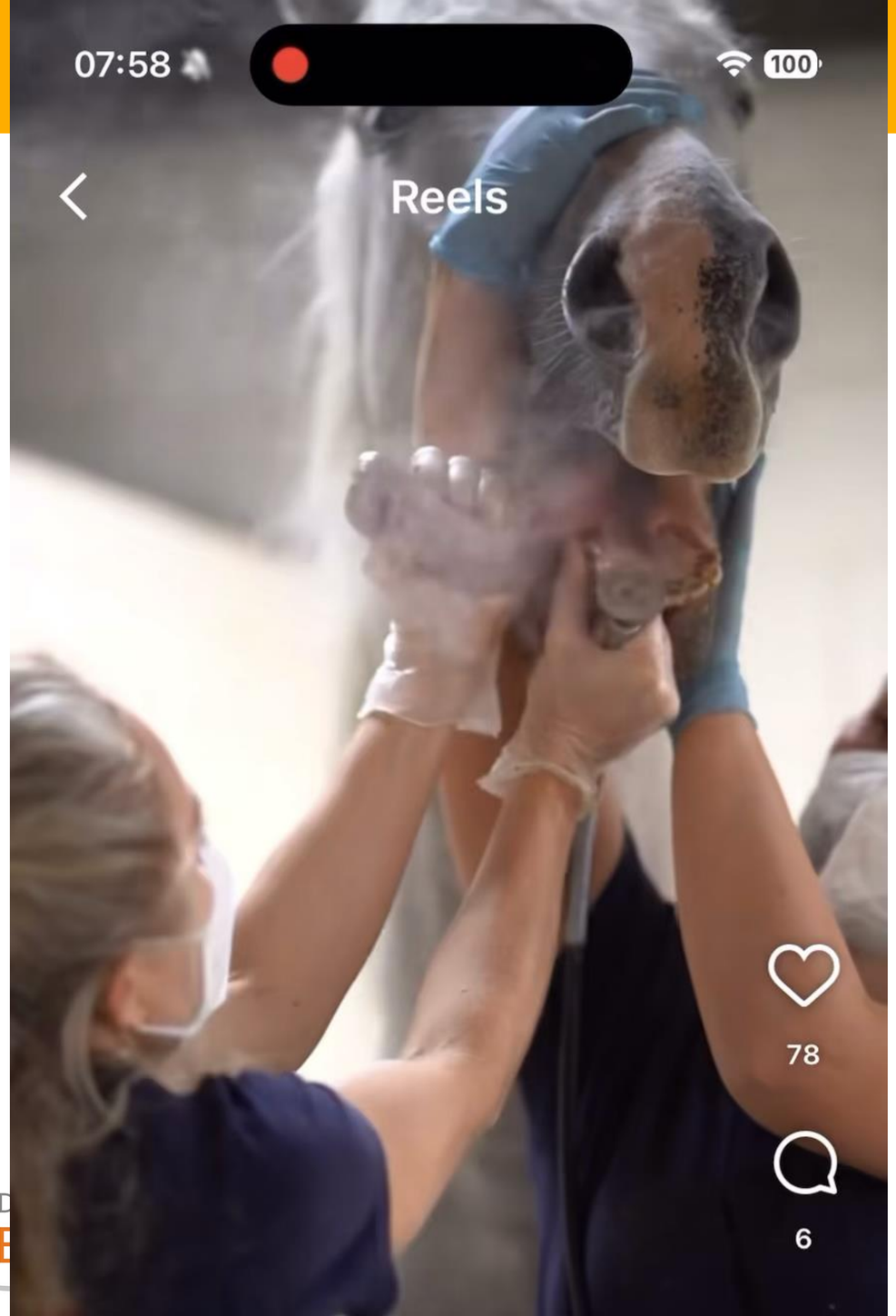


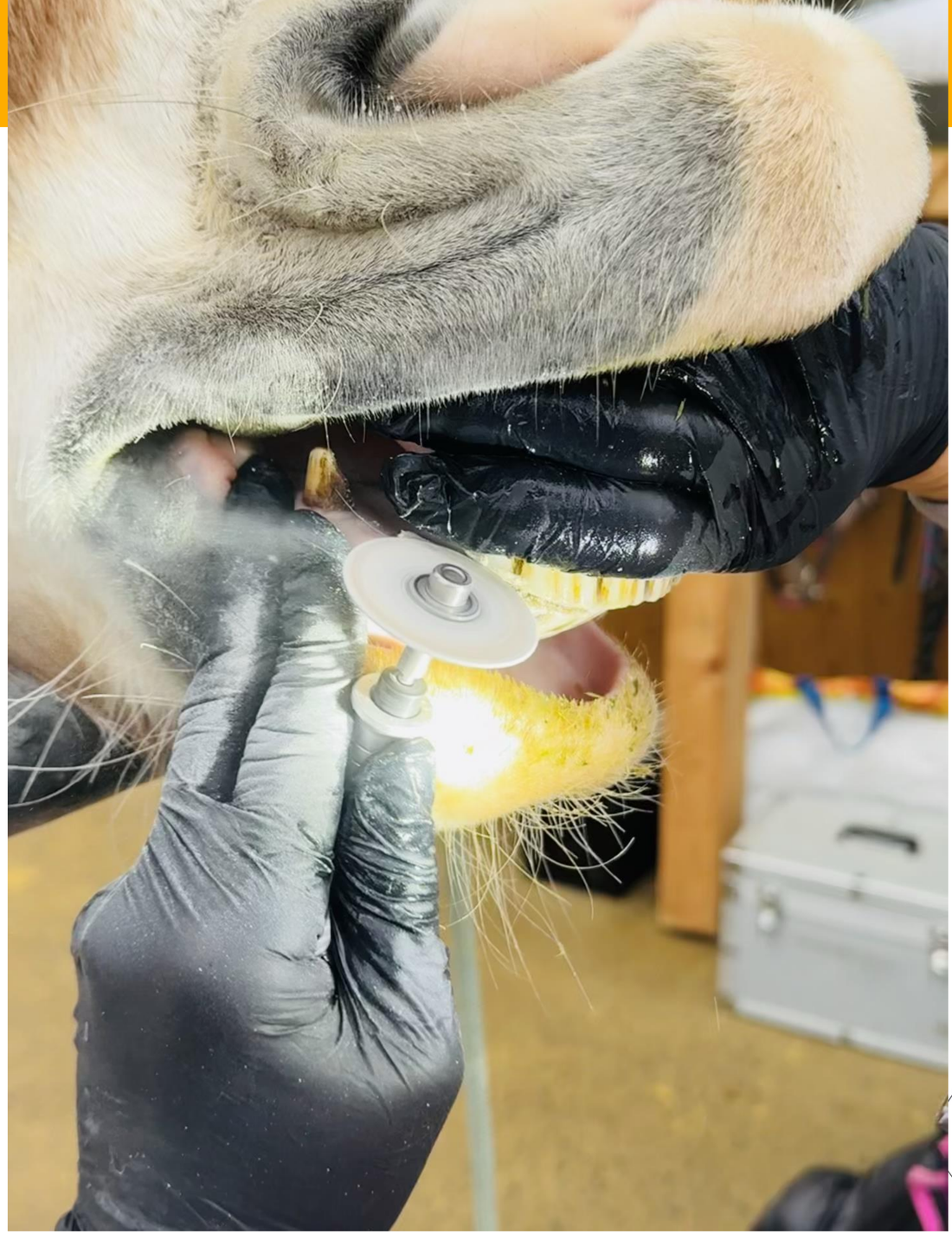


Incisor treatment

- incisor work **without a hold on the head (free work)**
- **wrong angle**
- **„somebody“ is holding the tongue**
- hold the tongue with power without any
- inadequate sedation
- pain? (knock on teeth)




07:58
100
Reels
78
6



Operation yes/no?



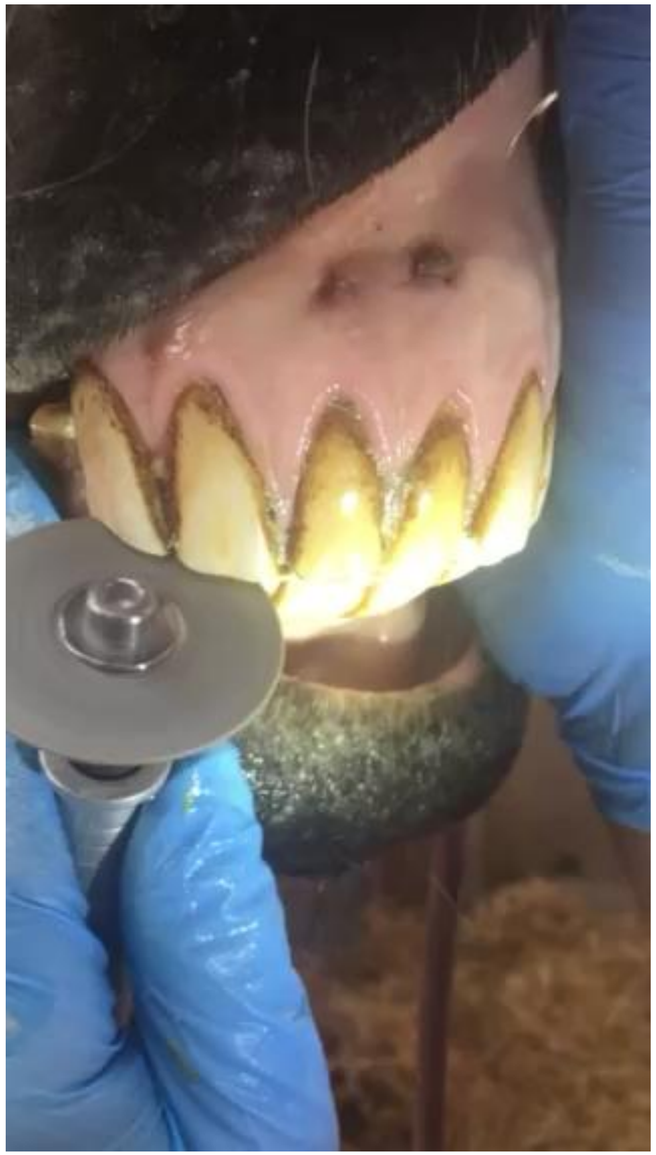


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Operation yes/no?

- Consequenzen:
  - take out all incisors?
  - X-ray post OP
  - remnants?
  - checked molars?
- Plan: which teeth/tooth
- any b basic diseases?
- timemanagement
- helping staff
- after care who? when?
- possible complicationen
- further examinations





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further examination

- education in germany - every 5 years
- daily care
- medical information
- helping staff
- less people
- mark side
- holter and rope without metal



Dont´s

- have a plan
- take care of yourself
- x ray apron, glasses
- holder, mobile stand, x-ray gloves, protection frames for the DR panel
- all body parts out of the primary light
- personal dosemeter



Quelle: Instagram

after care - hygiene - oiling









Dr. med. vet.
Bernadette Immel

Take Home Message

- take your time (Anamnese)
- Plan
- Train/Workshops
  - Occlusion before/after (spilled mouth)
  - count teeth
- Instruments - Knowledge -
  - Mirror, Dentalhalter, Suspension,
  - clean, functional equipment
  - foot pedal
- Hygiene - working safety
- office time is also working time
- Documentation



Quelle:

after care - hygiene - oiling ✅ 🛑

- take care of the horse: half an hour
- gelding: clean foreskin, GOT 362 (Präputialbehandlung)
- did the horse pee, lead the horse and feed the horse
- Cobs, Mash, Hay, Gras
- always one peek at the horse
- Eat und Drink
- talk about feeding







24. IGFP Kongress 2027

11. und 12. März 2027 in Bad Neuenahr

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