



Pre-Hab beats Re-Hab

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How to support your horses feet for the long haul

Presented by:

Ida Hammer

Certified Whole Horse Hoof Care Practitioner

Hoof Trimming Clinician

Ida Hammer is not a veterinarian, nor is anything implied that she has a degree in veterinary medicine. Always consult with your veterinarian for medical advice

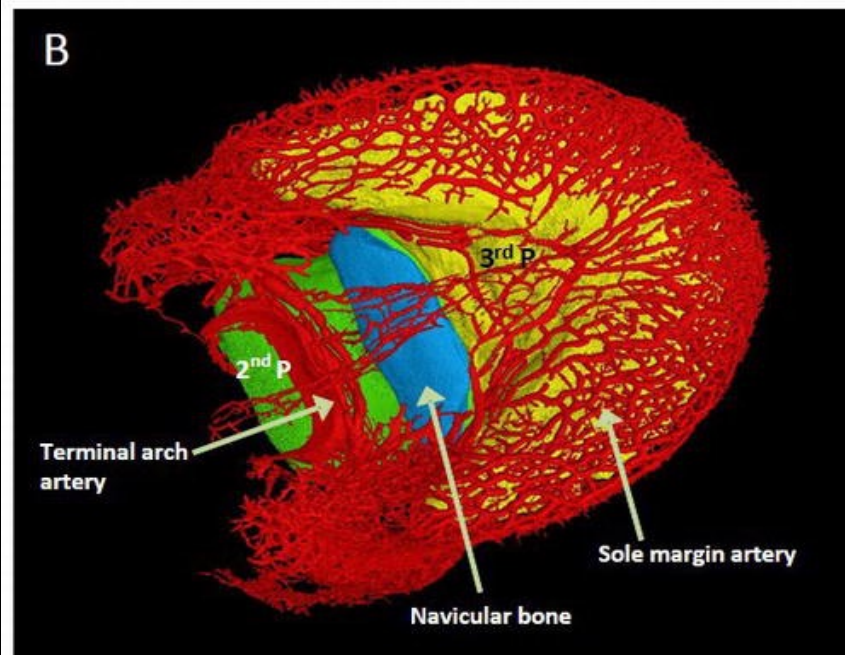
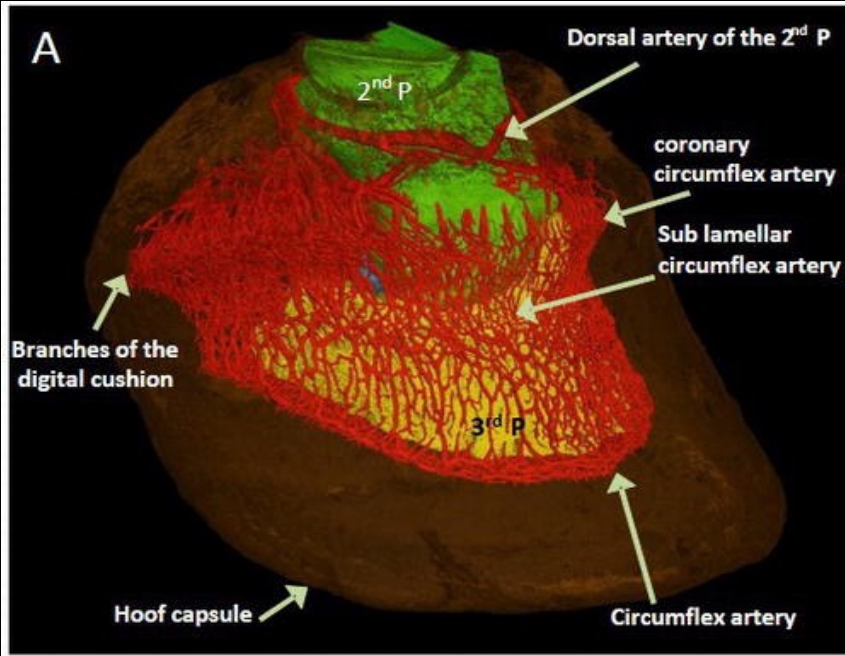
6 things to check off the hoof care list ✓

1. Circulation
2. Toe Length
3. Angles
4. Digital Cushion
5. Frogs
6. Proper protection

Circulation



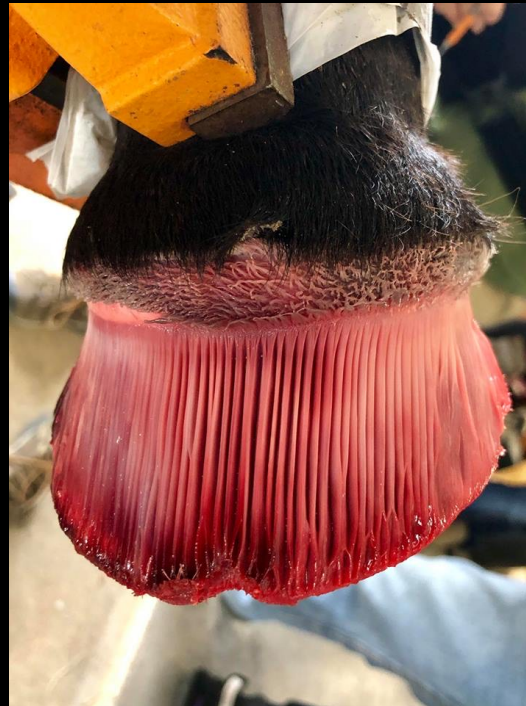
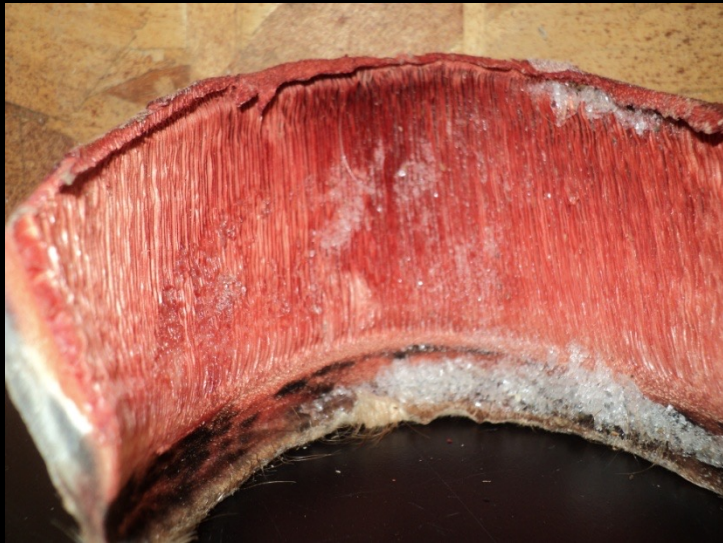




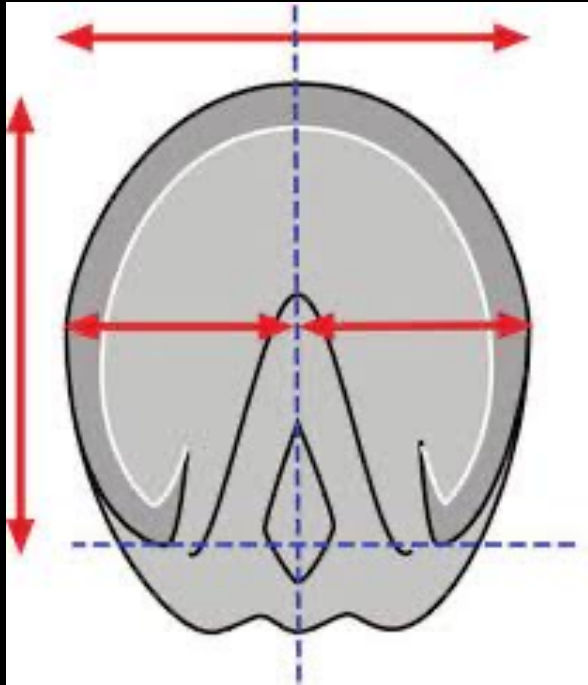
Understanding The Hoof

Blood Flow To Create Hoof Wall and feed the Sole Papillae

Lamina: Dermal and Epidermal layers that hold the hoof to the coffin bone.



Problems with Long Toes



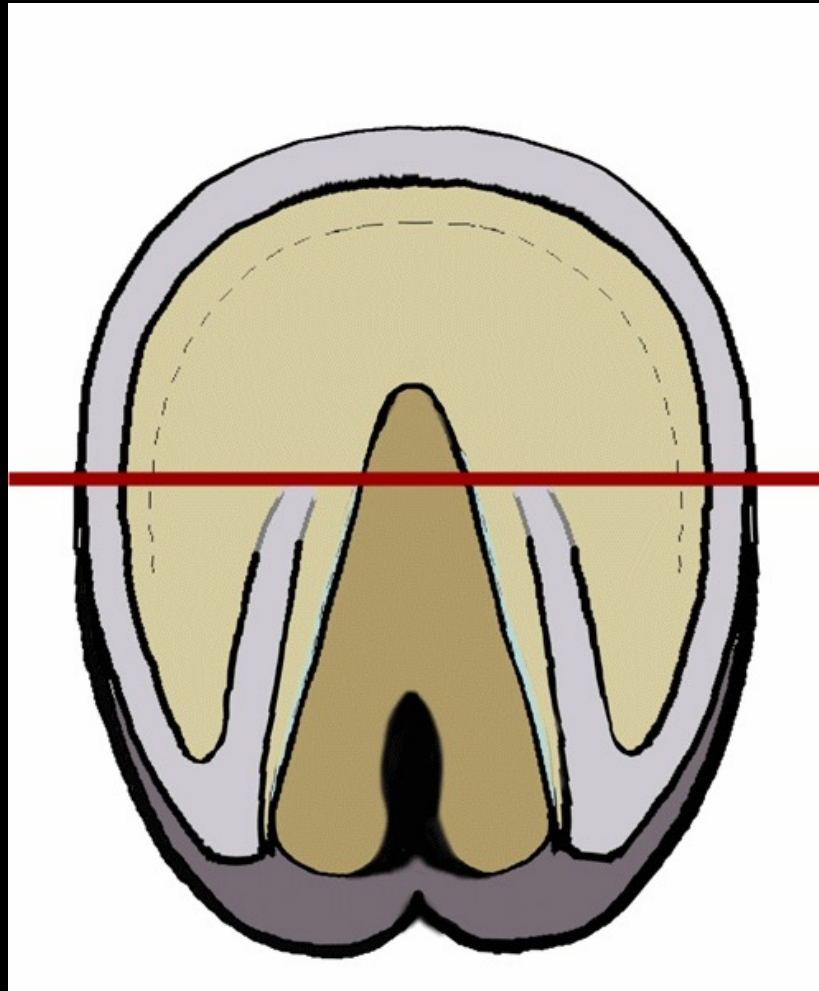
Ideally hoof balance should be 50/50 measuring from the widest part of the hoof.

Every 1 CM (.39 inches) of extra toe length = 50Kg (110 lbs.) of force on acting tendons.

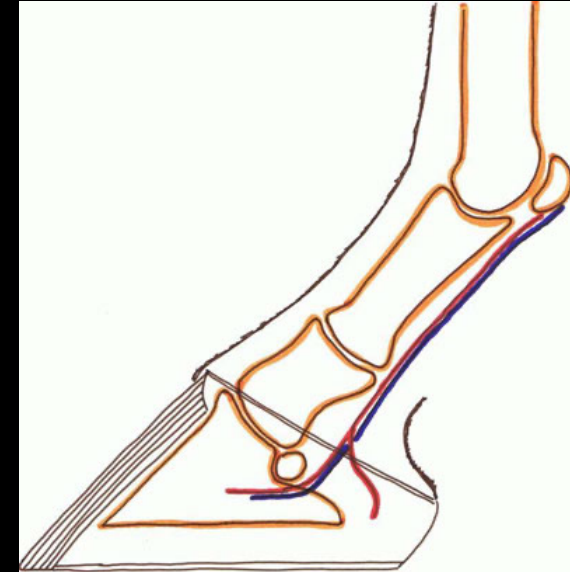
*Dr. Renate Weller

This situation will effect ALL gaits

Long toes create hoof distortion



The Longer the toes, the higher the incidence of incorrect angles. Usually too low



Every -1 degree drop in sole angle, where the DDFT inserts into the coffin bone (affected by palmer angle) can lead to a 4% increase in the pressure exerted by the DDFT on the navicular bone.

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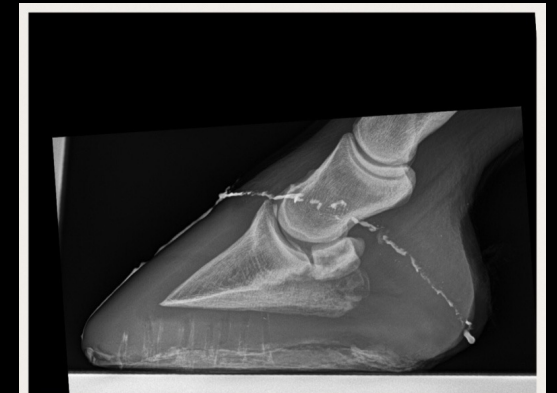
Hoof Angle

What are NPA's
NPA stands for negative Palmer (Front leg) or Negative Plantar (Hind leg)



Photo Courtesy Yogi Sharp

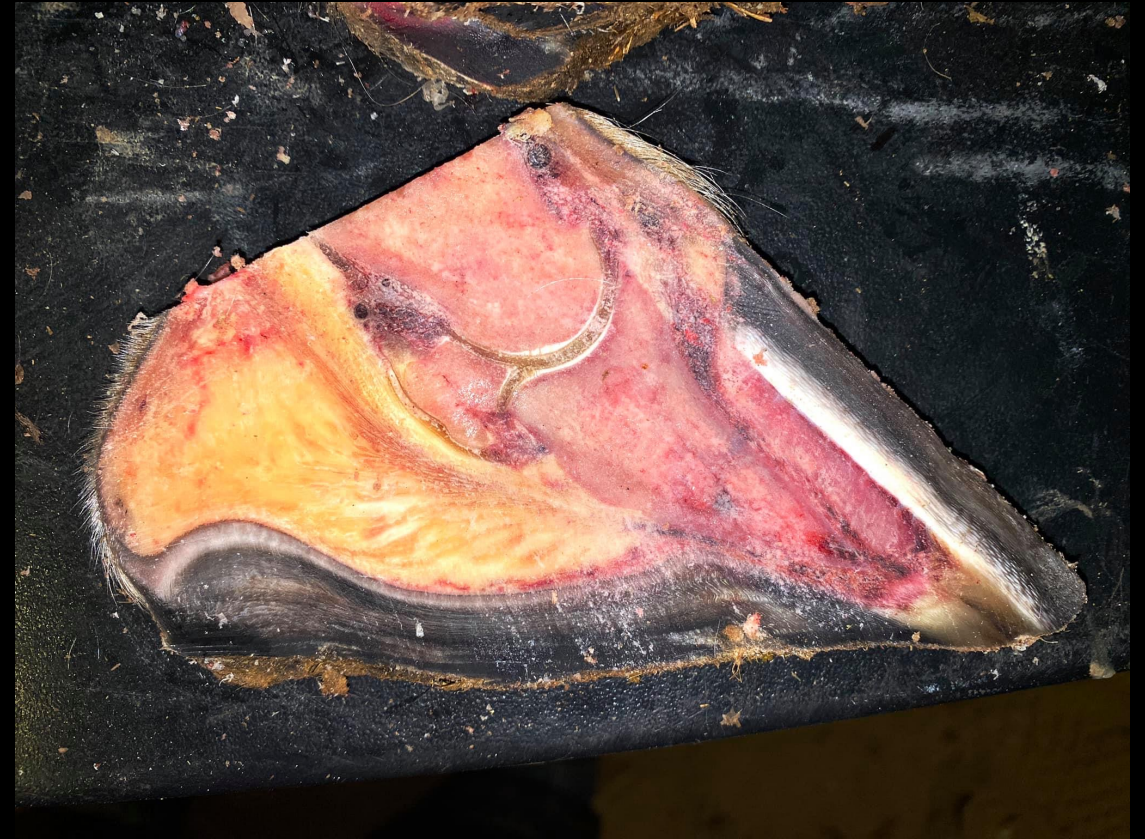
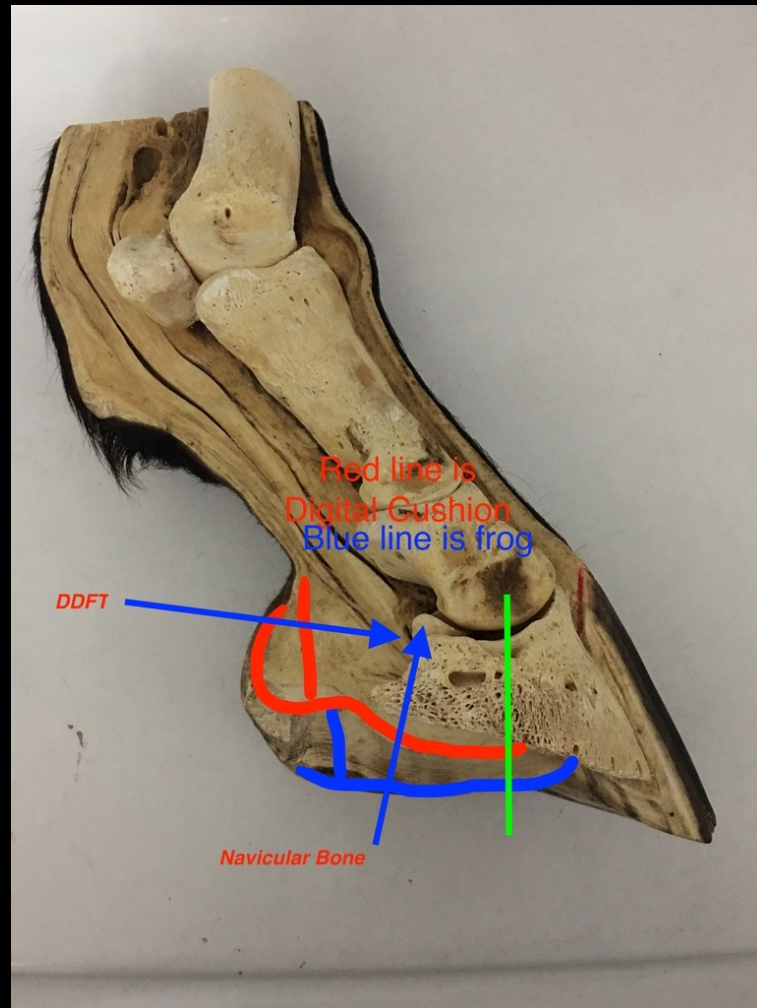
Negative



Positive

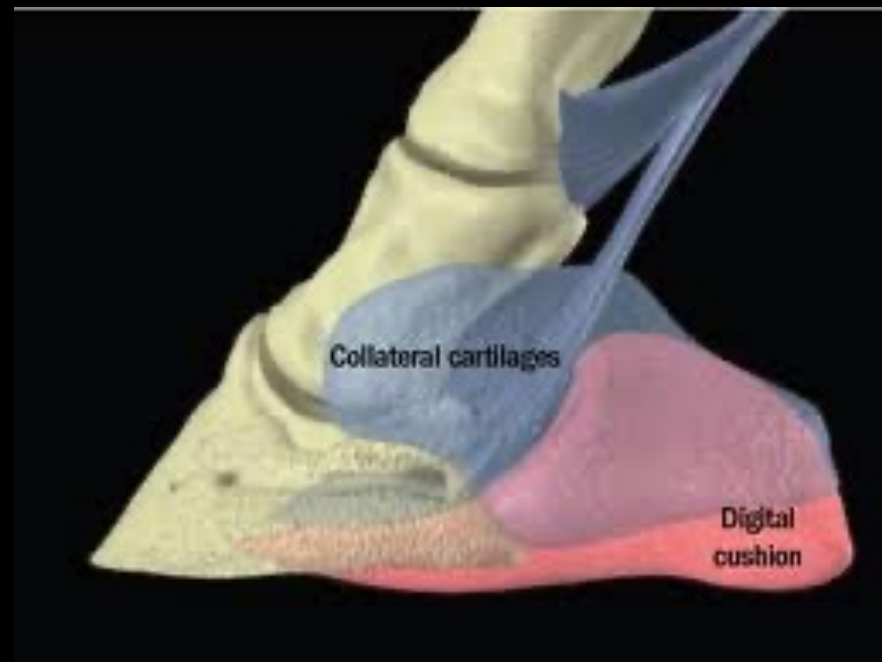


The Importance of the Digital Cushion



What this means to internal structures.

- Heel impacts the ground first.
- Stimulates digital cushion.
- Expands hoof capsule.



Healthy Frogs, Happier Digital Cushion!



The positive effect on the digital cushion.



Flat or heel first landings that allow frog pressure and release develops digital cushion!

The Negative effect on digital cushions.
Caudal Failure Caused by Open Heel Shoes

Barefoot Hoof



Turning negatives to positives



Take Aways!

1. Heel first or flat are the correct way for your horse's feet to hit the ground. This helps improve circulation.
2. Long Toes contribute to many pathologies of the hoof and detriments to the entire body.
3. Incorrect hoof angles for your horse's hooves can cause soft tissue issues, and contribute to huge body compensations.
4. The Digital Cushion is a HUGE player in the soundness of your horse!
5. Frogs need to be healthy to keep the horse landing correctly and to develop the best digital cushion.
6. The type of hoof protection you use, either builds the hoof or weakens it.
7. There are numerous choices of hoof protection to choose from.

For More Information About Hoof Education

Ida Hammer Offers In Person and Online Classes.

To check class schedule go to:

www.mackinawdells2.com

To check out the online classes go to:

<https://mackinawdells2learning.thinkific.com>

THANK YOU!!!