

**Farrier/Veterinarian Teamwork is Critical**

Radiographs - Management of inflammation and pain

Diagnosis - just to give you a toehold with owner compliance to nutritional changes and adequate trim/shoe cycles.

Diagnosis and treatment - PPID, IR, GI ulcers, really any ailment can/does contribute to weakness of the lamellar connection.

If EMS, IR or PPID diagnosis, then every bite should have less than 10% sugar + starch combined with no more than 6% total starch.

**Mineral Balancing per NRC Guidelines**

Custom  
 Balancing to regional averages  
 Buckshot Method - California Trace Plus (my personal favorite)  
 Plain white loose salt

Vitamin E Supplementation  
 Prebiotics and Probiotics

"Feeding the Hoof" article at [Hoofrehab.com](http://Hoofrehab.com)

**Mechanically Speaking...**

In a nutshell, to grow out hoof capsule rotation and reverse distal descent/sinking:

- 1) Unload the walls
- 2) Protect the solar corium.
- 3) Establish heel height by prioritizing flat and heel-first impacts.

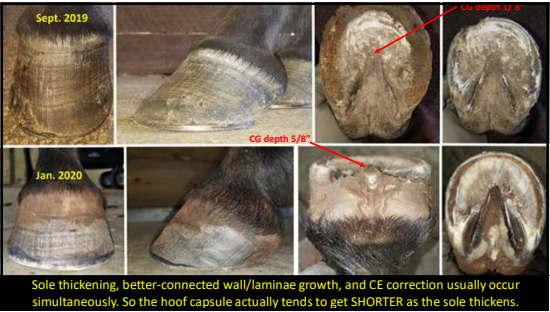
But... (Lotsa Buts...)

1) Unload the walls.

This removes the shear forces from the laminae, then allows the coronet to relax distally toward a more normal position relative to P3. This also allows better connected wall/laminae growth from the coronet, down.

Perfect, right?  
 (except that you just overloaded the solar corium, too)

Dang.



2) Protect the solar corium.

Sole must be either *thick* or protected.

For CE correction and the reversal of hoof capsule rotation, sole support is essential, but ALL sole pressure must be released whenever the foot is in flight or otherwise unloaded!

“Protection” can include barefoot on soft terrain, depending on the current sole thickness. Also boots with padded insoles, tape-on pads or VERY thoughtful shoeing packages with tight trim/shoe cycles (ideally 4 weeks).

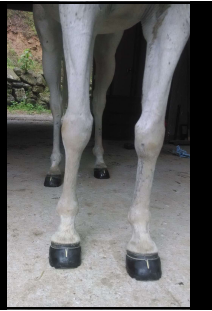
Easyboot Glove With Soft Gaiter

- Mods:
- Toe Slot
- Heat Fitted
- Breakover Mod
- 6mm padded insole
- Power Strap (not shown)



Easyboot Glove Glue-on Shells

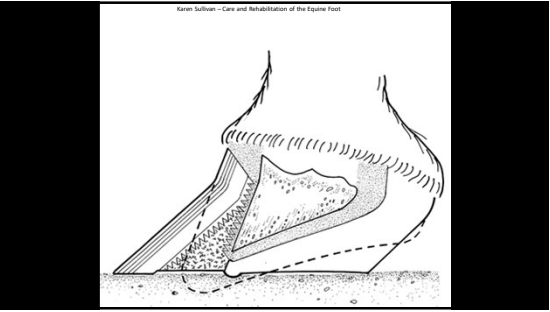
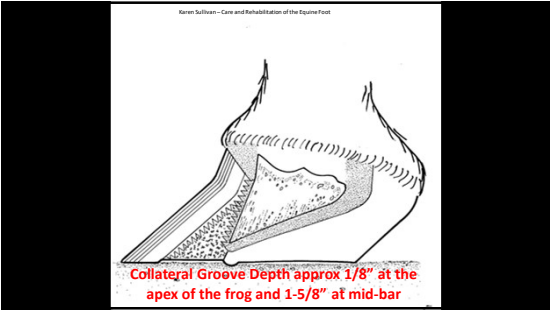
Application and modification details at [HoofRehab.com](http://HoofRehab.com)  
 Click “Articles”  
 Click “Modifications of Easyboot Gloves and Glove Glue-On Shells”

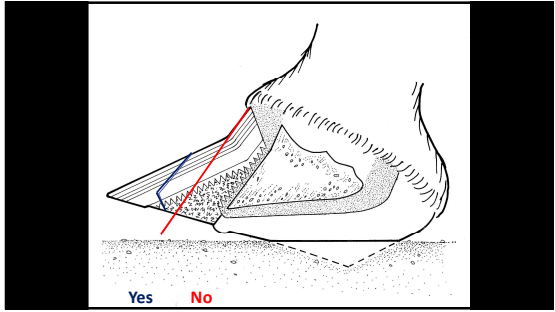
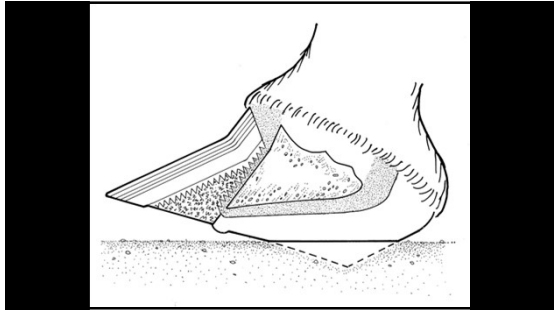
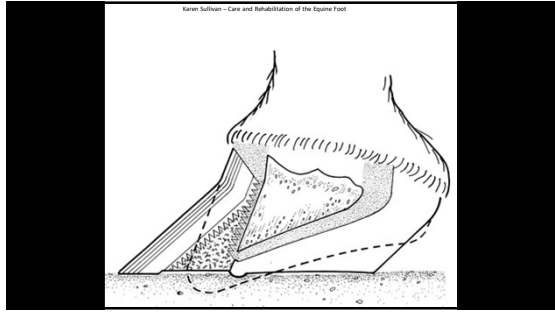
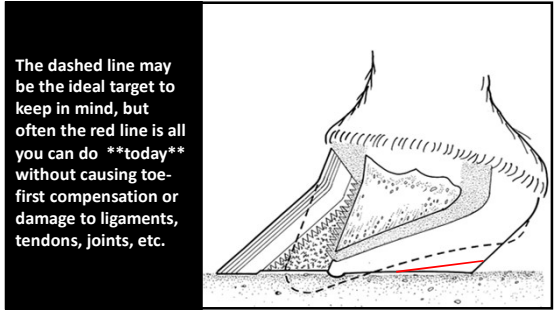
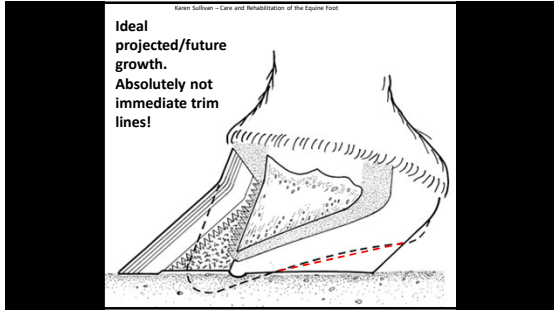
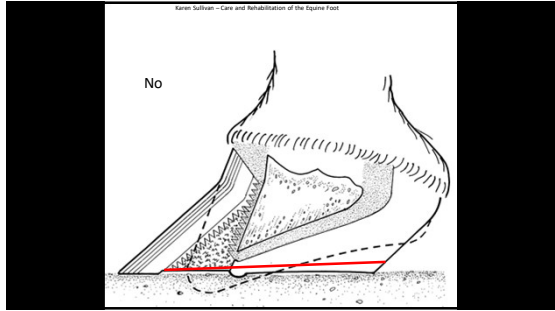
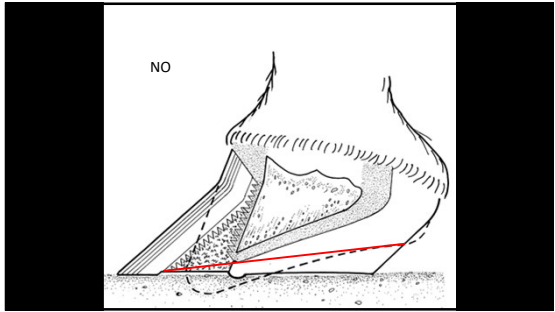
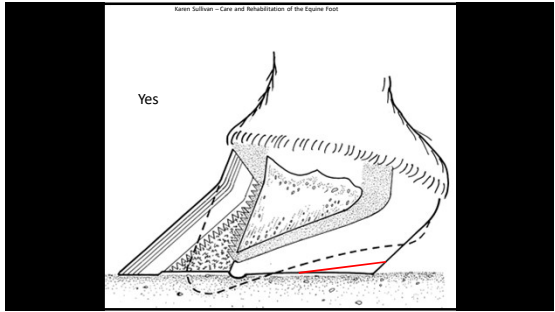
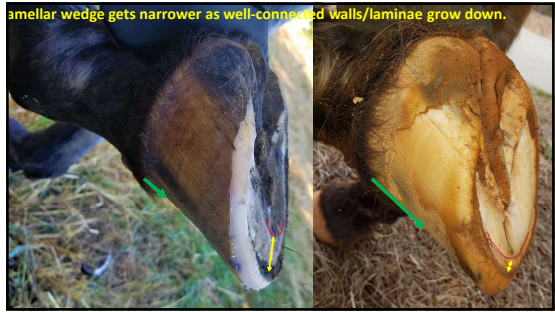


3) Establish heel height by prioritizing flat and heel-first impacts.

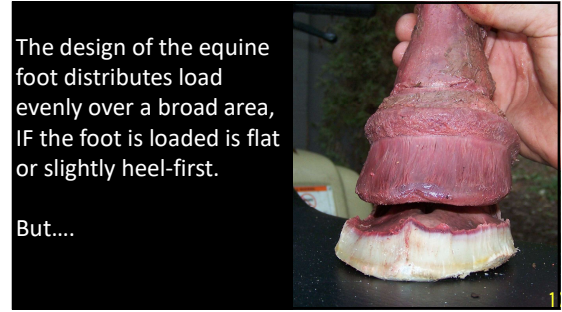
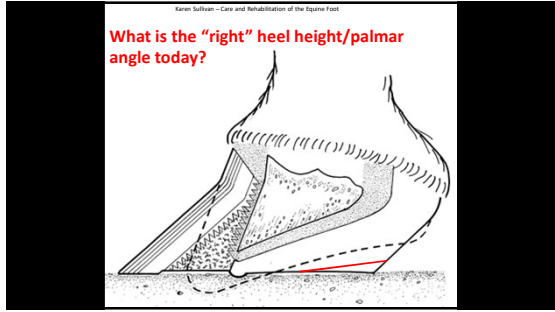
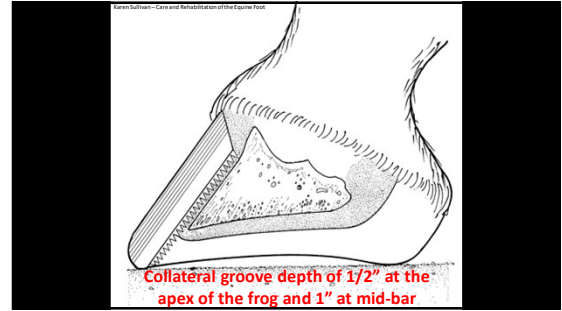
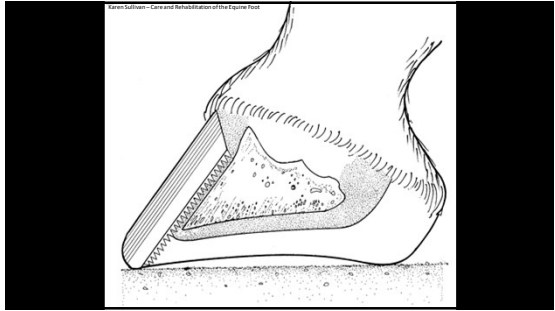
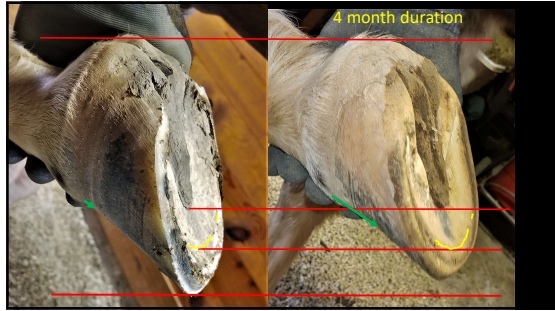
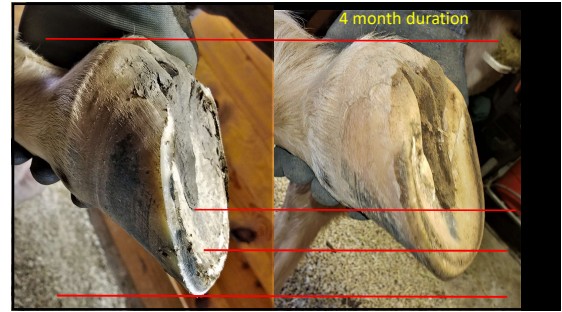
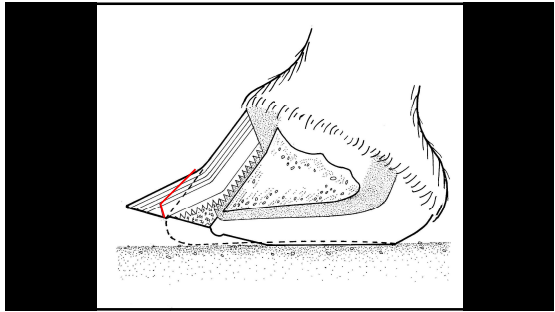
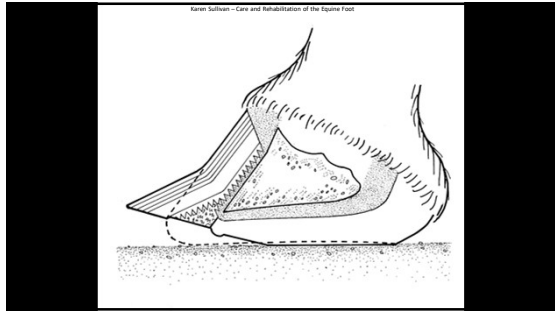
Toe-first compensation is the #1 enemy. There is basically no way to reverse hoof capsule rotation or improve CE on a horse that primarily loads toe-first.

Compensation by side-loading the foot is the #2 enemy.



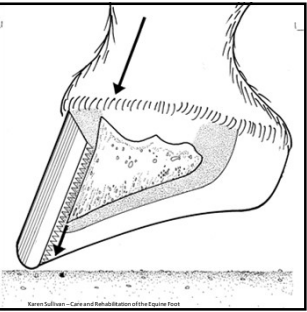




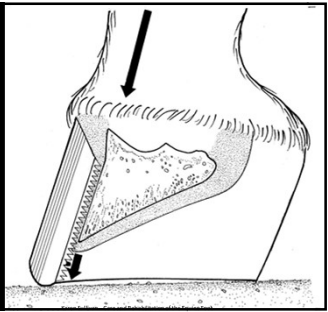




Beware the destruction caused by trimming heels too low....  
 (compensative toe-first impact and load)




... And the equally destructive mechanics caused by leaving heels too high.  
 The "right" heel height is the ultimate tightrope walk



With the primary goals of **comfort** and **flat impacts** (at walk) and **flat or heel-first impacts** (at faster gaits), I establish heel height/palmar angle based on:


- 1) Minimum 1/2"-5/8" (12-15mm) sole thickness – sole as a guide?
- 2) Stance
- 3) Movement
- 4) Response to **offer of** forward stretch
- 5) Subjective evaluation of frog health and digital cushion integrity – **How much frog pressure will the horse voluntarily bear without starting to compensate toe-first?**
- 6) Wear pattern
- 7) Learning from previous *mistakes* with the individual foot/horse

The "right" heel height changes as the frog and digital cushions strengthen.



Same foot – 9 month duration

Agir-Pro Ape Plex 10cc Luerlock Syringe  
 Stainless steel blunt tip Luerlock dispensing needles 12 gauge  
 8 ounces Generic Desitin (40% zinc oxide cream)  
 2 teaspoons Copper sulfate powder



Details at HoofRehab.com / thrush

Ensure that picking, flushing and treatment goes all the way to the bottom of the central and collateral sulci




The inability or even a resistance to straightening a front limb predicts a [temp or perm] need for longer heels.




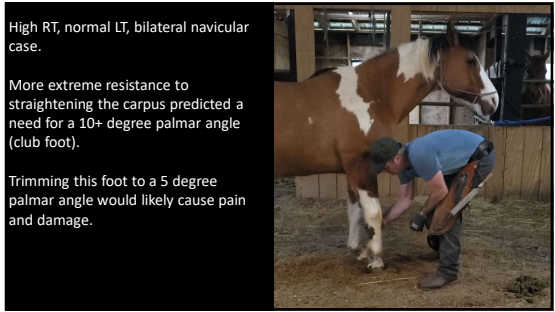
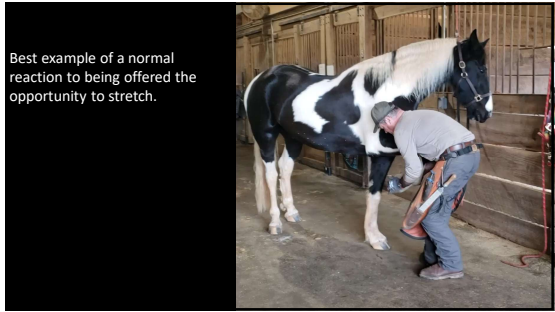
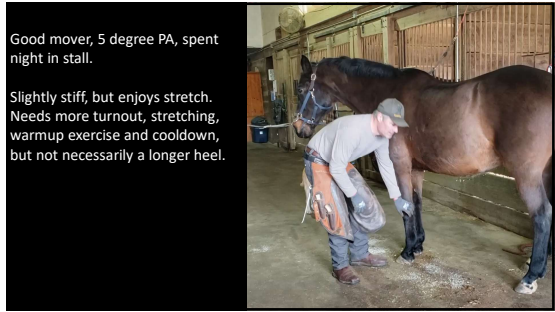
03/19/20

The following 5 slides were videos showing how to evaluate the flexion of the front limbs as an indicator of the heel height/palmar angle that will work best for the horse's current condition.  
 Great mover that readily straightens limb and enjoys the stretch predicted a need for a 3-5 degree PA



High RT, normal LT, bilateral navicular case.  
 Resistance to straightening the carpus predicted a need for a 5-8 degree palmar angle.









Establish heel height/palmar angle based on:

- 1) Minimum 1/2"-5/8" (12-15mm) sole thickness
- 2) Stance
- 3) Movement
- 4) Response to *offer of* forward stretch
- 5) Subjective evaluation of frog health and digital cushion integrity
- 6) Wear pattern
- 7) Learning from previous *mistakes* with the individual foot/horse

8) Don't forget #7 !!! Pay attention to post-trim movement and pre-trim wear patterns. Interview the owner/rider.  
 Don't fall into \*\*\*Habit\*\*\*

