

# Pelvis Pro Miniseries

## Part 2: Posterior Chain

How does the posterior chain influence how tight our hip flexors feel as well as how the deep glute area feels?

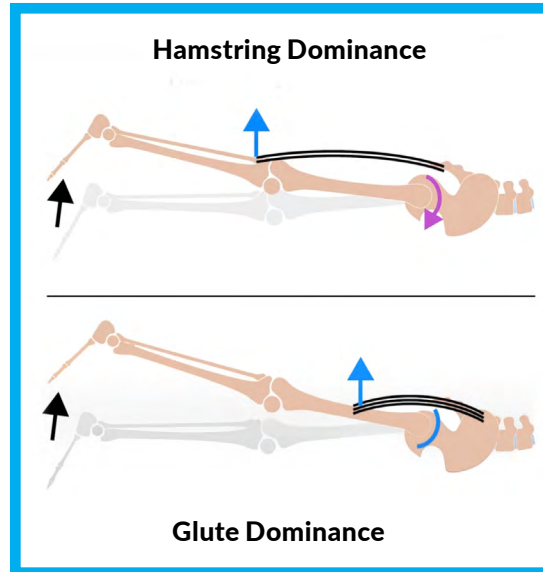
### Quad-dominant pattern

- ▶ The glutes are our primary hip extensors, but in a quad-dominant pattern, the quads will help out a little too much when coming out of a squat.
- ▶ Quad-dominant → using quads instead of glutes.
  - Rectus femoris: hip flexor and knee extensor
  - How to spot a quad-dominant pattern
    - Notice a visual size difference between glute and quad hypertrophy
    - Quads and hip flexors always feel tight, cranky knees, overused quads and calves
    - Look at their knee drive versus hip drive when squatting
    - Do they have great eccentric loading? If they utilize their glutes well, they'll be able to squat down without folding in half.

**Test:** Grab your camera and take a video of yourself doing a squat. Do you drive up from your knees or your hips?

- ▶ How to spot hip dominance
  - You will see a noticeable drive up from their hips where knees follow, versus someone in a quad-dominant pattern.

**Where to begin improving glute availability?**  
**Start by looking at the pelvis. How well are the hamstrings anchoring the pelvis?**



### The role of the hamstrings

- ▶ We don't want a hamstring-dominant pattern over glutes for hip extension, but we do want the hamstrings to help us with pelvic orientation.
- ▶ The hamstrings insert into the ischial tuberosity and pull the pelvis down into a posterior pelvic orientation.
  - Anterior tilt → pelvis spills forward and puts hamstrings in a lengthened state, meaning they will feel short/tight even when they are not.
  - Ideally, hamstrings help to hold the pelvis so the glutes can eccentrically lengthen well.
  - **Example:** Those who flip into an anterior pelvic tilt, butt wink, or tuck under during a squat cannot eccentrically lengthen their glutes. This often coincides with low back pain and tightness.

### Notes



