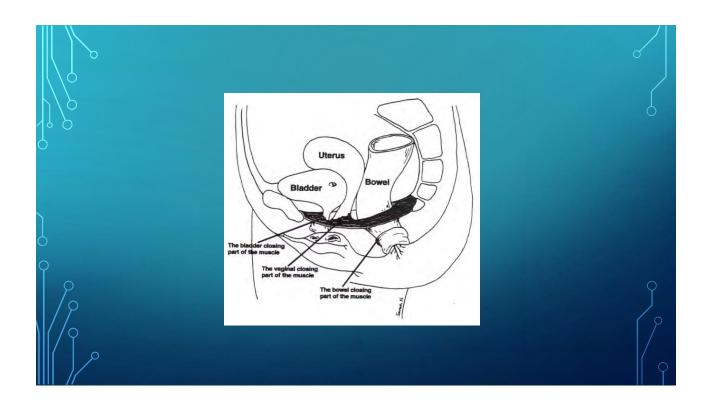
# POWER AND THE PELVIS

HOW TO PREPARE FOR ACTIVITY AND SUPPORT YOUR PELVIS

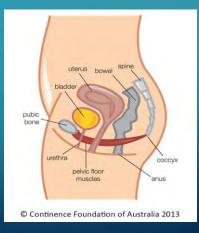
BREE RUTTEN, B.Sc.P.T.

### PELVIC FLOOR FUNCTION:

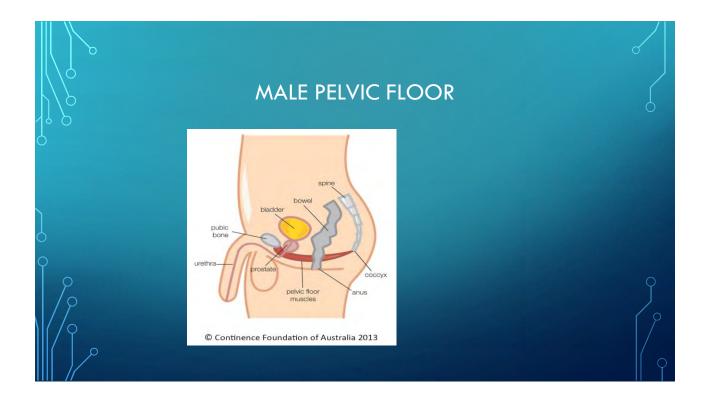
- Support your pelvic organs to prevent prolapse
- Help to keep bladder and bowel closed to prevent incontinence
- Assist in sexual function and orgasm









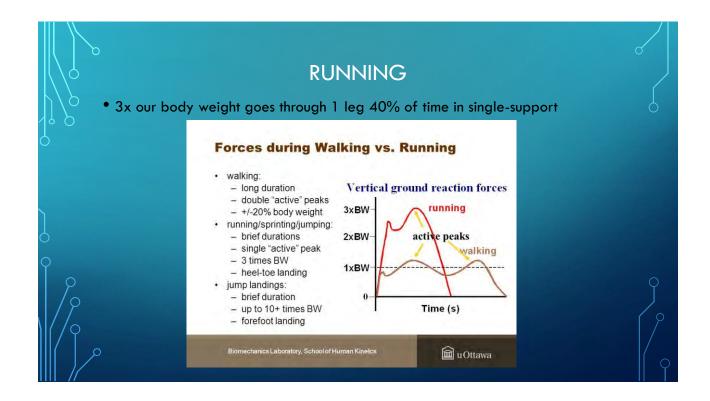


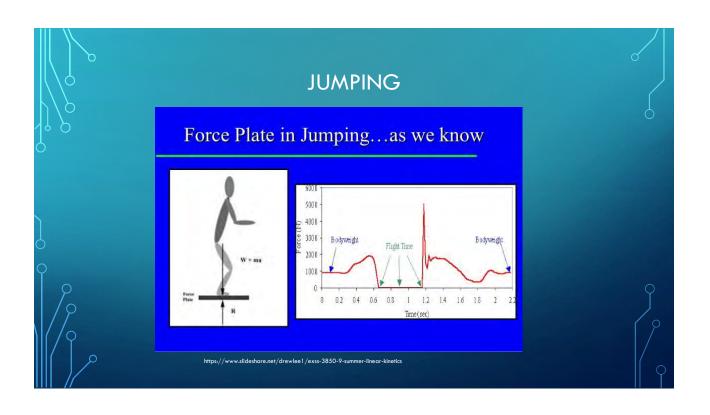
# MOVEMENT AND THE PELVIC FLOOR

- The pelvic floor is a reactive muscle group but is also under our control
- It should know to automatically squeeze if we cough/sneeze/jump/run and then to fully relax to empty our bladder and bowel
- Sometimes, it gets confused, and needs reminders of how it should work

# HOW DOES MOVEMENT AFFECT OUR PELVIS

- Laying vs. sitting vs. standing positions
- Change of hip positions legs narrow, wide or in stride position
- Strain or pressure on the pelvis loaded with weight, from impact or from effort







- Use of breath holding, straining patterns
- Hip position wide vs. narrow, flexed vs. straight
- Use of buddy muscles glutes vs. quads, lower vs. upper abs

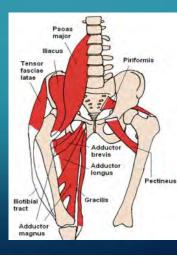
# MUSCLES THAT SUPPORT THE PELVIC FLOOR

- Gluteals
- Lower abdominals
- Inner thighs

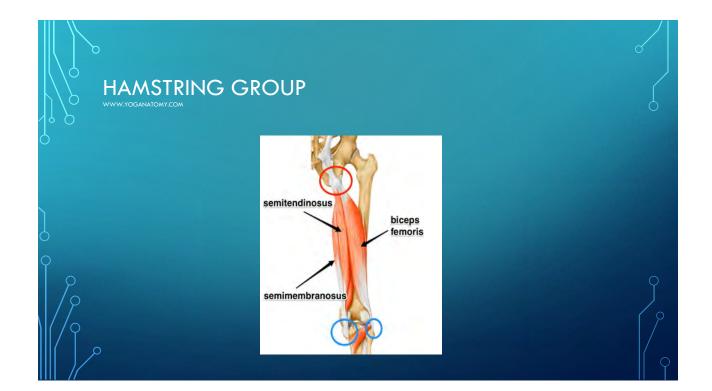
• The are groups I take in to consideration to help with strength but also to help for releasing the pelvic floor

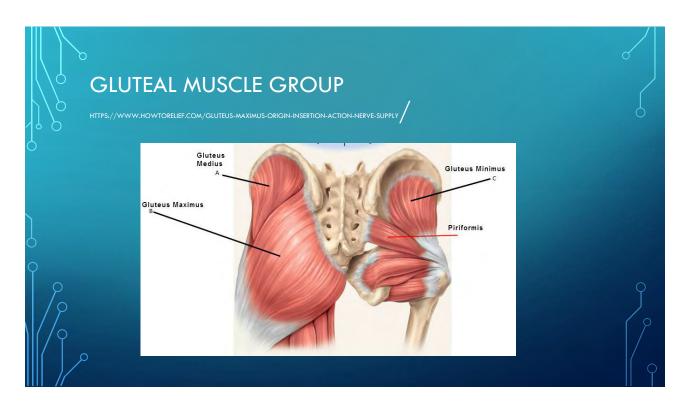
### ANTERIOR PELVIS AND CO-CONTRACTORS

ITTPS://EN.WIKIPEDIA.ORG/WIKI/ADDUCTOR\_MUSCLES\_OF\_THE\_HIP









#### HOW CAN WE ALTER MOVEMENT TO SUPPORT THE PELVIS?

- Add in more glute activation:
  - Semi squat position
  - Support with lower abs vs. upper abs
  - Exhale on effort
- Long spine position
- Relax upper abs and breathe

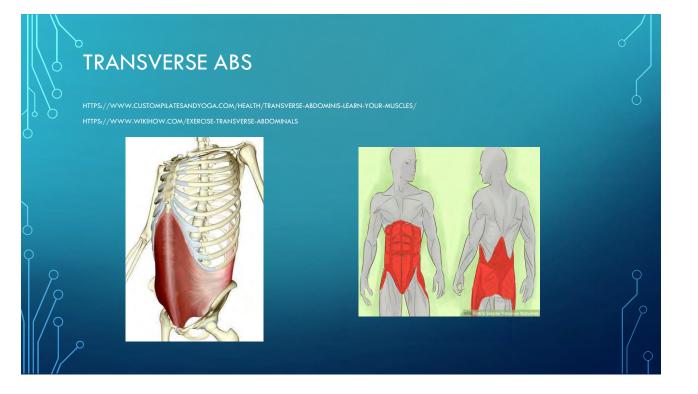
#### CORE STRENGTH AND THE PELVIS

- Are sit ups and crunches bad?
- Daily activities and positions in life and how do we train for that
- On top of that leisure and sporting activities



# SPINE STABALIZERS WITH PELVIC FLOOR

- The transverse and multifidi should co-contract <u>before</u> movement occurs to prepare us
- These muscles are also co-contractors of the pelvic floor
- I start specific with the PF first, then go global





10

# IS OUR PELVIC FLOOR ALWAYS SUPPOSED TO BE ON?

 It is already "on" through everyday life – how much more it is supposed to be on or off depends on the activity I am doing

- Lifting or carrying
- Controlling my bladder or bowel
- Relaxing to fully empty
- High strain/high impact

#### **DON'T FORGET!**

- The pelvis is a puzzle there are many factors involved in it
  - Hormones huge
  - Diet
  - Bladder and bowel health
  - Orthopedic issues hips, back, pelvis, feet. . .
  - Posture

• We must also make sure we don't overtrain or overtighten the pelvic floor

# WHAT SYMPTOMS TO LOOK FOR

- Leakage bladder or bowel
  - Is it normal discharge or sweat?
- Heaviness or pressure in the pelvis
- Hip, back or tailbone pain

# WHAT TO DO WITH SYMPTOMS

- Pelvic floor assessment
- Core and pelvic stability
- Running or strength/conditioning assessment
- Fine tune exercises
  - Strength vs. endurance
  - Area that needs to be targeted



# Bree Rutten, BScPE, BScPT

Craven SPORT Services #3 – 701 2<sup>nd</sup> Ave North Saskatoon, Sask. S7K 2C9

(306) 934-2011