

Clinical Trials Program:

Orthopaedic Surgery

Clinical Trials Team: 2 Faculty, 6 Staff



Spine



Hand & Upper Extremity

Full Time
Brian Urbani,
MS, CCRC



Pediatrics

½ Time
Rachel Koldenhoven,
MEd, ATC

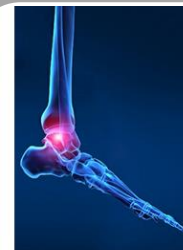


Trauma



Adult Reconstruction

Full Time
Eric McVey, MEd



Foot & Ankle

½ Time
Revay Corbett,
MS, ATC



Faculty

Joe Hart, PhD, ATC
Wendy Novicoff, PhD

Admin

Sarah Spangler

Full Time
Kaitlyn Shank,
MEd, ATC



Sports Medicine

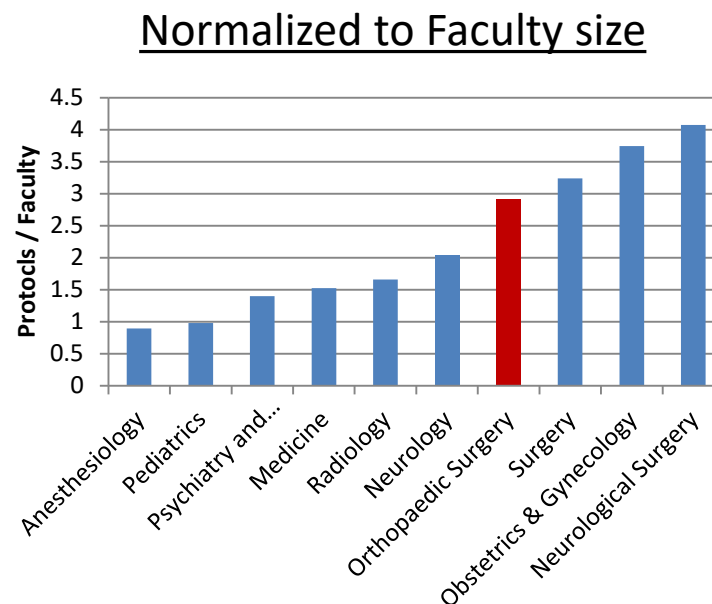
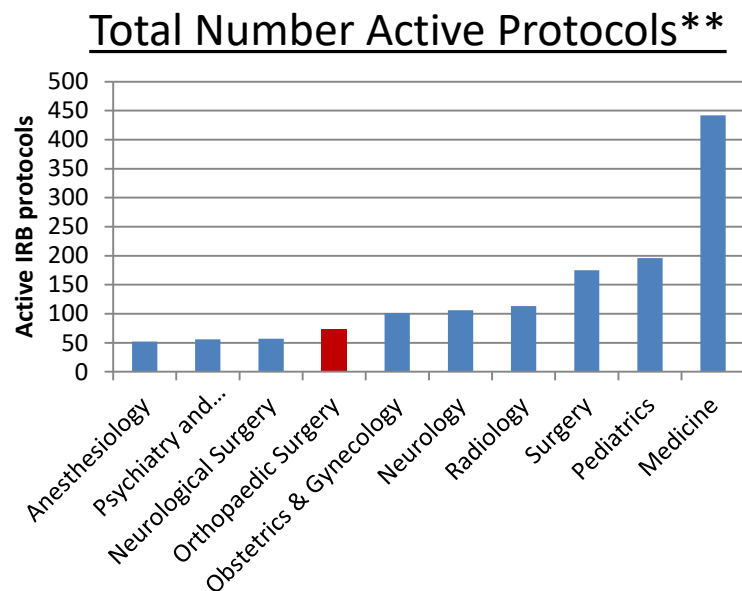
½ Time
Stephan Bodkin,
MEd, ATC



Clinical Trials Growth: IRB protocols



- IRB-HSR protocols by Department (SOM)*



** Ortho: 67 active protocols (4/2017)
72 active protocols (8/2016)
66 active protocols (3/2015)

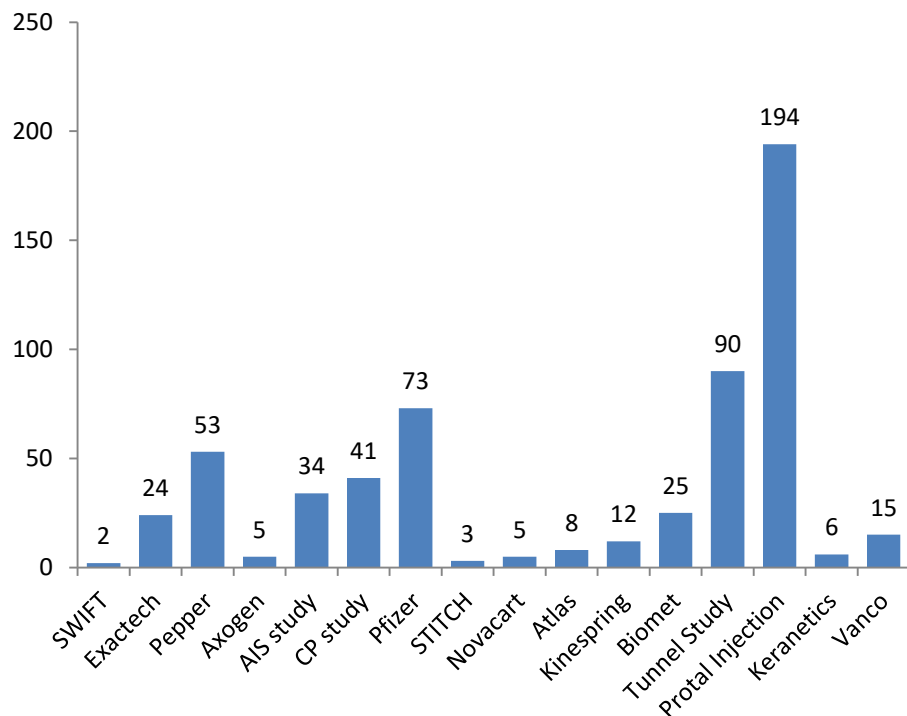
*GRAPHS SHOW TOP 10 ONLY



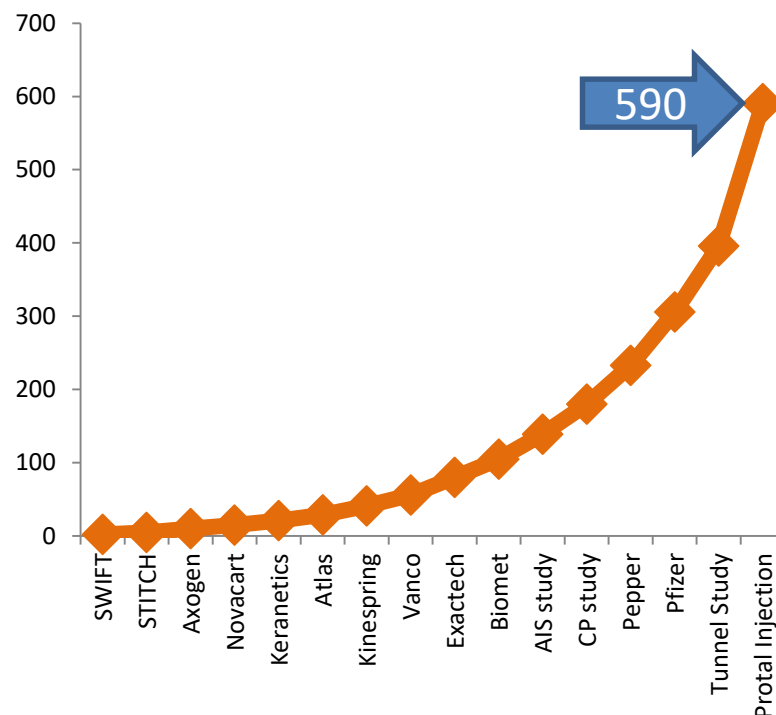
Clinical Research Enrollments



Patients Enrolled



Cumulative Patient Enrollment



Clinical Trials Program Success



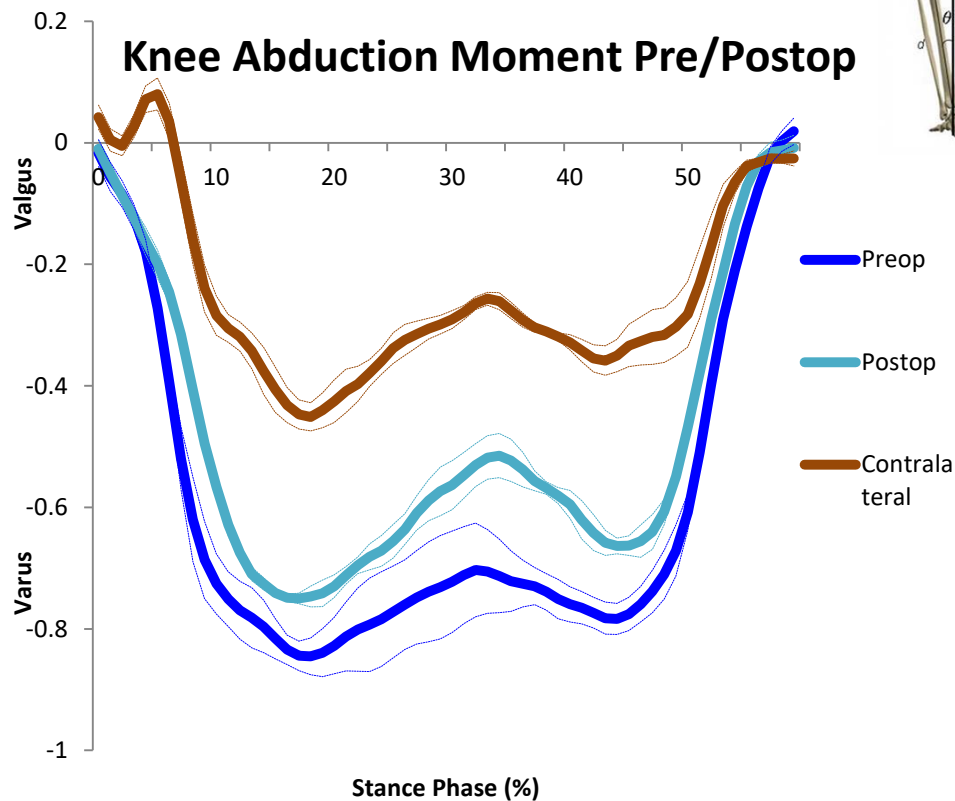
- Investment & Buy-in
- The Patient Experience
 - Merge with existing clinical flow
 - Manage scheduling
 - Handle problems with professionalism
- Leverage Healthsystem Resources
 - Clinical Research Units
 - Clinical Trials Office
 - CRISP
- COLLABORATIONS



Medial Knee Unloading Implant

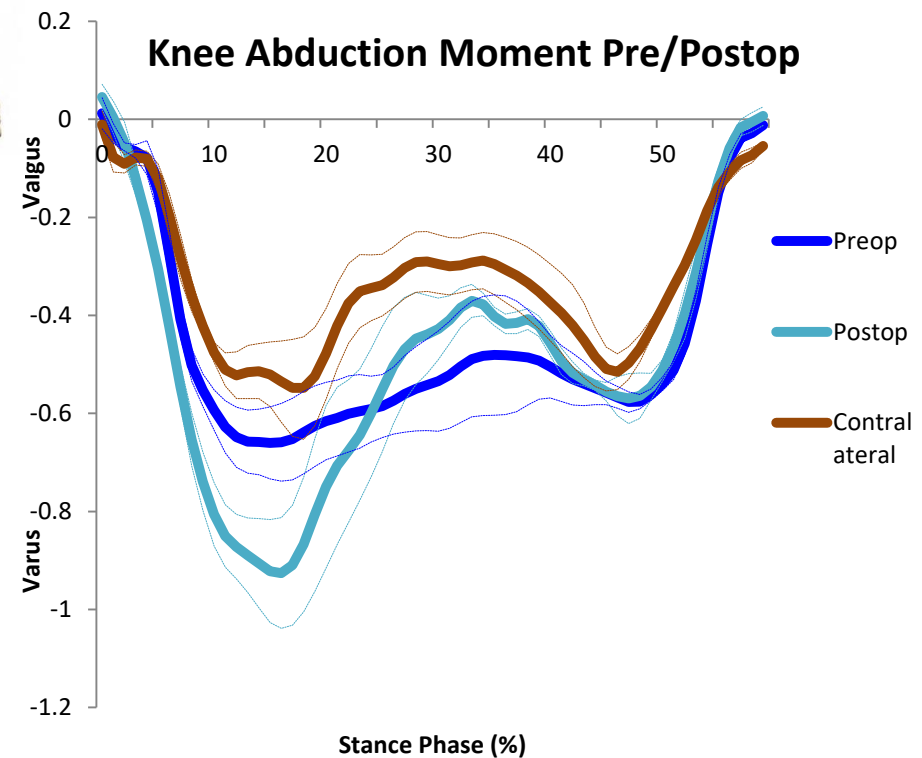
Case 1

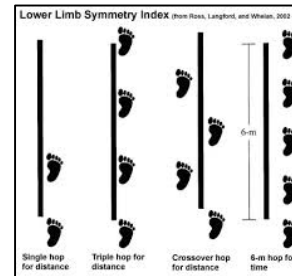
VAS: pre=8, post=1.5



Case 2

VAS pre=8.5, postop=6.5





Healthy

ACLR (~6M)

Quadriceps Strength

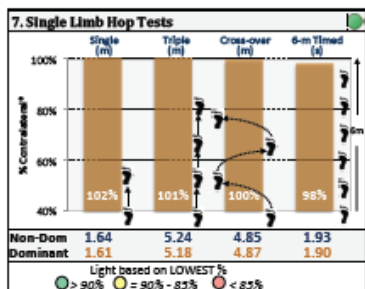
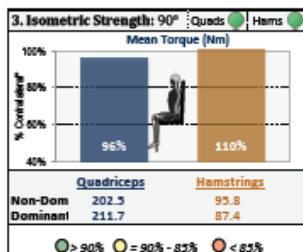
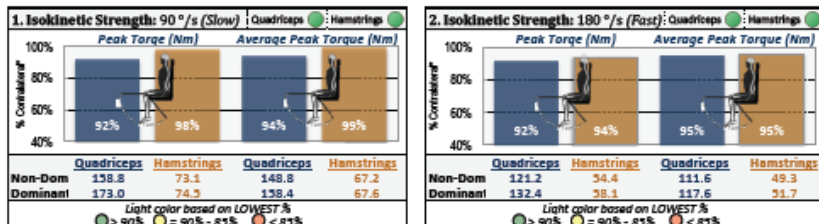
1. Isokinetic: 90°/s (slow)
2. Isokinetic: 180°/s (fast)
3. Isometric at 90°
4. Isometric Endurance

Hamstrings Strength

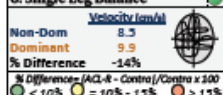
1. Isokinetic: 90°/s (slow)
2. Isokinetic: 180°/s (fast)
3. Isometric at 90°
4. Isometric Endurance

Functional Assessments

5. Jump Landing: LESS
6. Subjective Function: KDC & KOOS
7. Single Leg Hop Tests
8. Single Leg Balance



8. Single Leg Balance



Testing Notes:

1. Comment on general observation from testing and results...
2. Comment on landing mechanics based on failed LESS criteria...
3. Provide general clinical recommendations when appropriate...

Tester



*Please follow-up with your referring physician

Quadriceps Strength

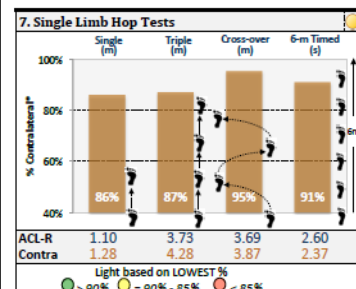
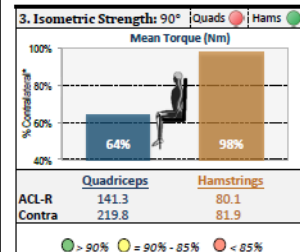
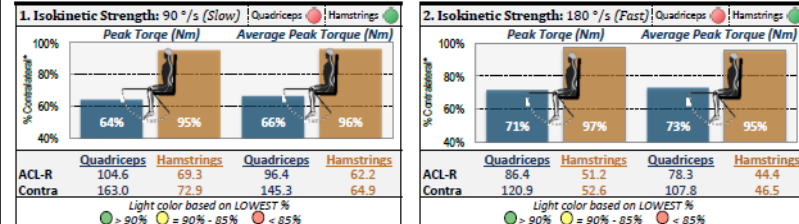
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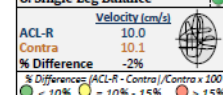
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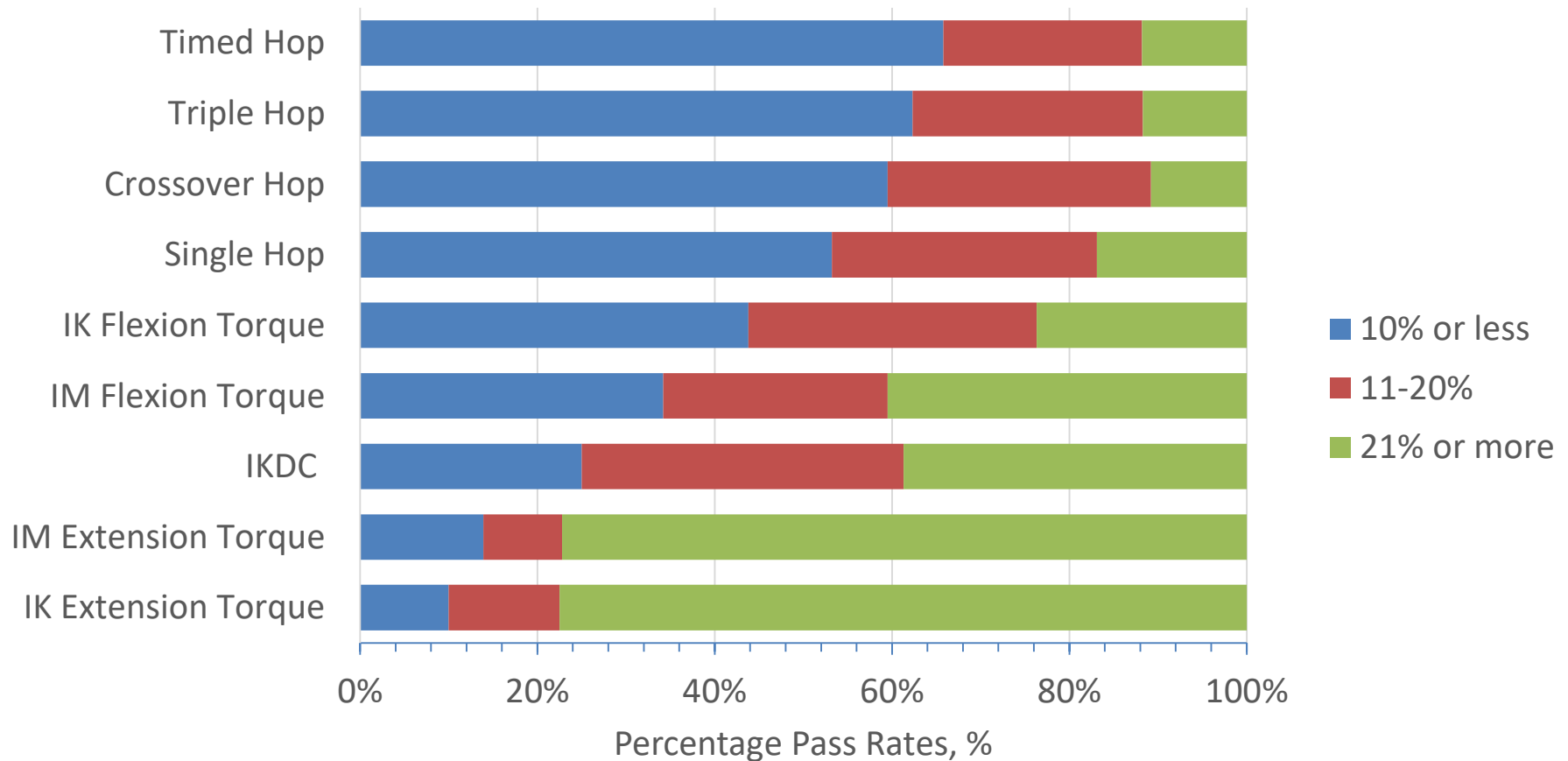
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LEAP results

Abstracts.....Manuscripts.....Grants



ACLR Pass Rate by Test



Extreme Asymmetry
d>30%

Asymmetry
20%<d<30%

Slight Asymmetry
10%<d<20%

Normal
-10%<d<10%

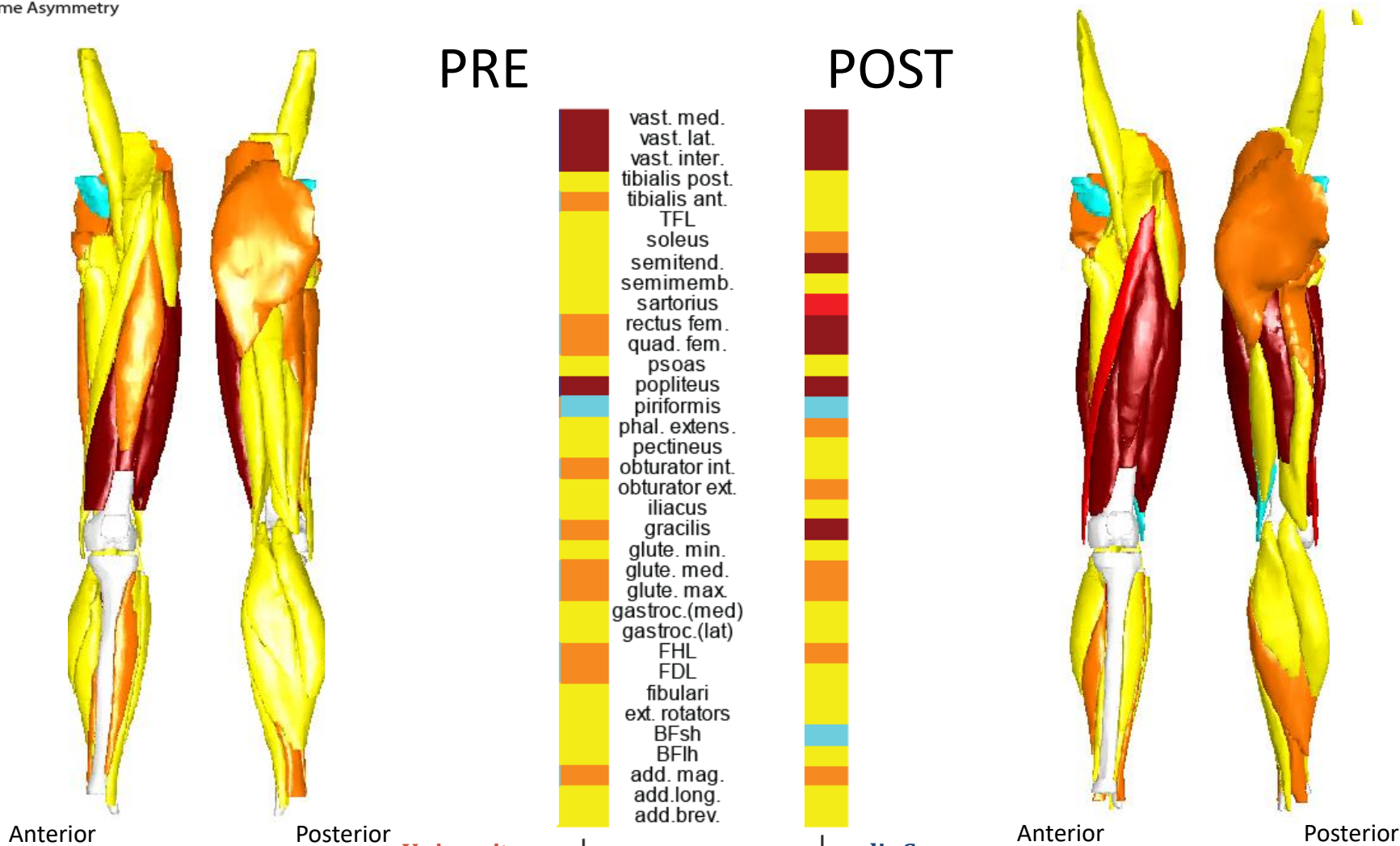
Slight Asymmetry
-20%<d<-10%

Asymmetry
-30%<d<-20%

Extreme Asymmetry

19 y/o Female
MOI: cheerleading
Injury: Left Knee
DOI: November
DOS: January
(M&L menisc)

Muscle Volumes – ACL patients



Future Direction / Priorities



- ✓ Staff Development
 - Training/Mentoring: monthly meetings, CCRC exam, Clinic Presence
- ✓ Ortho Clinical Trials Rate Card
 - Approved → moving toward implementation
- ❑ Patient Reported Outcomes database
 - PROMIS – EPIC – MyChart
- ❑ Clinical & Translational Research Growth





School of Medicine