

SOCCKER ATHLETE ACL TEAR

SCAN 1 | JULY 1yr post-Right ACL tear and
1wk post-Left ACL tear

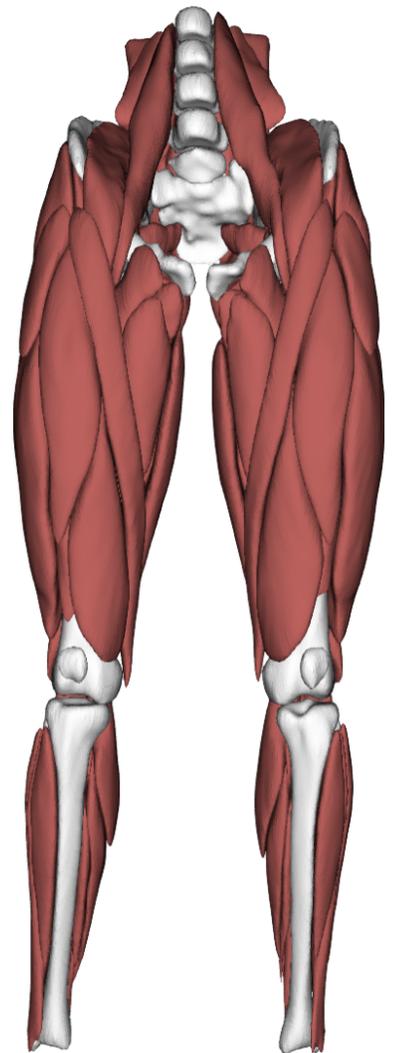
SCAN 2 | DECEMBER 5m post-second ACL
reconstruction

Pgs. 2-4 | Executive Summary

Pg. 5 | Muscle Development Comparison

Pg. 6 | Asymmetry Comparison

Pg. 7 | Interactive Viewer



To Check Out this Report in 3D, Click [Here](#).

Height | 0ft 0in

Weight | 000 lbs

Scan Date | MM.DD.YYYY

Key Observations

- 1. Percent Change:** Bilateral volumetric increase across hip functional muscle groups and in the knee flexors.
- 2. Percent Change:** High increase in volume bilaterally in the multifidus, psoas major, sartorius, and semimembranosus muscles.
- 3. Asymmetry:** Notable decrease in asymmetry in the gluteus maximus and increase in asymmetry in the sartorius and biceps femoris long head muscles.
- 4. Development:** Increase in development score throughout the left hip functional muscle groups and in the left knee flexors.

No injuries quantified.

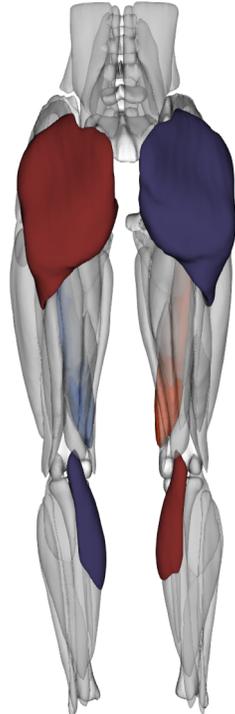
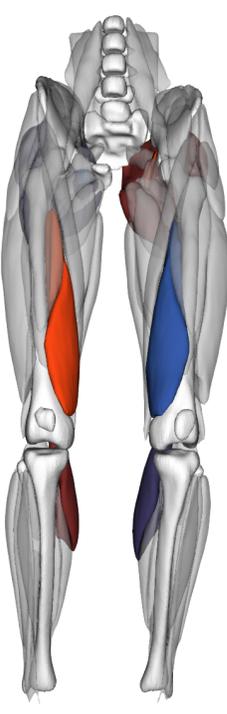
Height | 0ft 0in

Weight | 000 lbs

Scan Date | MM.DD.YYYY

Asymmetry Profile | SCAN 1

Muscles with the greatest volumetric differences between legs are identified below. Blue muscles indicate a muscle is larger on that side and the corresponding muscle on the opposite leg will be colored red.



Muscle Groups

Left

Right

Hip External Rotators
Hip Extensors

Knee Extensors

Individual Muscles

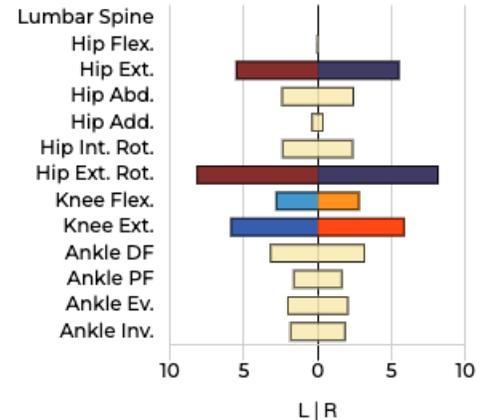
Left

Right

Gluteus Maximus
Obturator Internus

Gastrocnemius: Medial Head
Vastus Medialis

L-R Asymmetry (%)

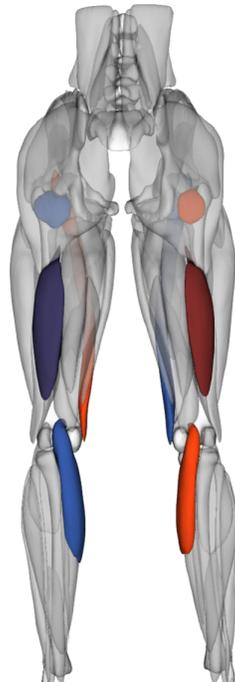
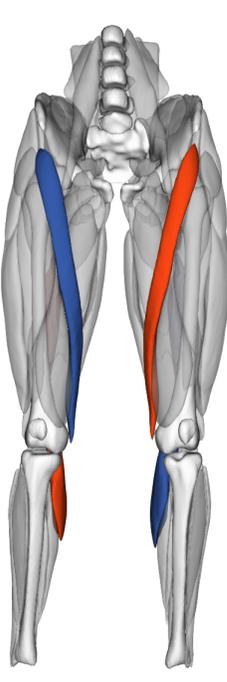


L | R Asymmetry



Asymmetry Profile | SCAN 2

Muscles with the greatest volumetric differences between legs are identified below. Blue muscles indicate a muscle is larger on that side and the corresponding muscle on the opposite leg will be colored red.



Muscle Groups

Left

Right

Knee Flexors

Individual Muscles

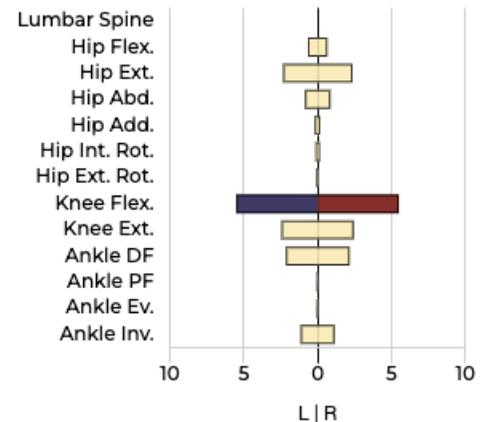
Left

Right

Sartorius

Biceps Femoris: Long Head
Gastrocnemius: Medial Head
Quadratus Femoris

L-R Asymmetry (%)



L | R Asymmetry



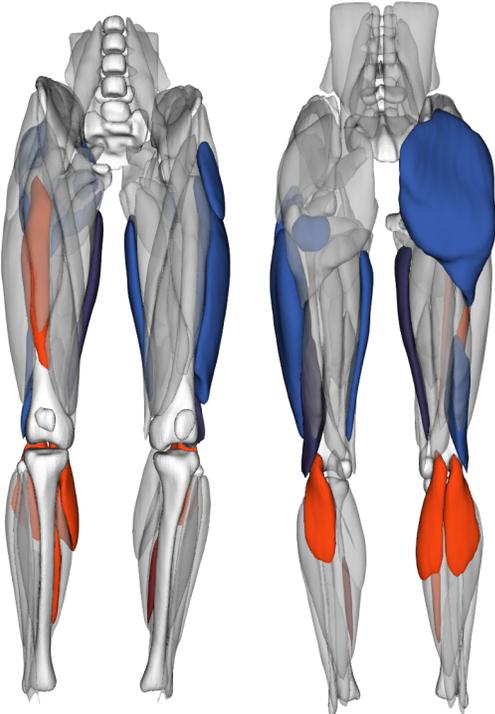
Height | 0ft 0in

Weight | 000 lbs

Scan Date | MM.DD.YYYY

Development Profile | SCAN 1

Muscle volumes are scored from 0-100, with expected volume based on the subject's height and weight is scored as 50. Muscles deviating most from their expected volume are identified below, where blue muscles are larger and red muscles are smaller than expected.



Muscle Groups

Left

Right

Hip External Rotators

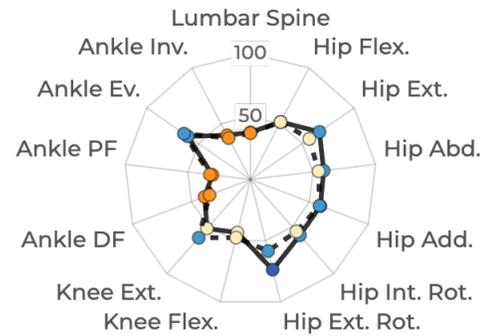
Individual Muscles

Left

Right

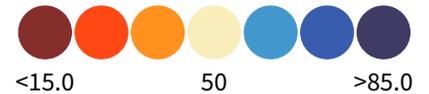
- | | |
|-----------------------------|-----------------------------|
| Flexor Digitorum Longus | Gracilis |
| Biceps Femoris: Short Head | Gluteus Maximus |
| Gracilis | Gastrocnemius: Medial Head |
| Tensor Fasciae Latae | Popliteus |
| Gastrocnemius: Lateral Head | Biceps Femoris: Short Head |
| Quadratus Femoris | Gastrocnemius: Lateral Head |

Springbok Score



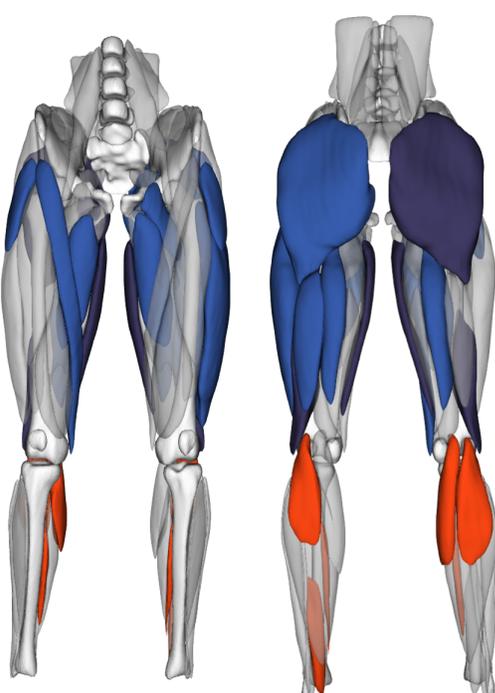
Left Right

Springbok Score



Development Profile | SCAN 2

Muscle volumes are scored from 0-100, with expected volume based on the subject's height and weight is scored as 50. Muscles deviating most from their expected volume are identified below, where blue muscles are larger and red muscles are smaller than expected.



Muscle Groups

Left

Right

Hip External Rotators
Hip Extensors

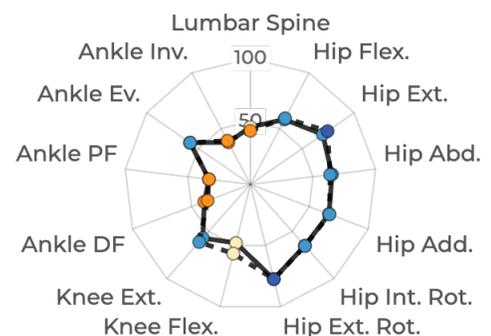
Individual Muscles

Left

Right

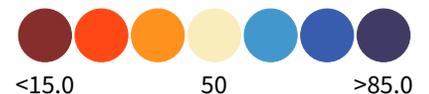
- | | |
|-----------------------------|----------------------------|
| Biceps Femoris: Short Head | Gracilis |
| Gracilis | Gluteus Maximus |
| Gluteus Maximus | Biceps Femoris: Short Head |
| Tensor Fasciae Latae | Gastrocnemius: Medial Head |
| Gastrocnemius: Lateral Head | Tensor Fasciae Latae |
| Biceps Femoris: Long Head | Adductor Longus |

Springbok Score



Left Right

Springbok Score

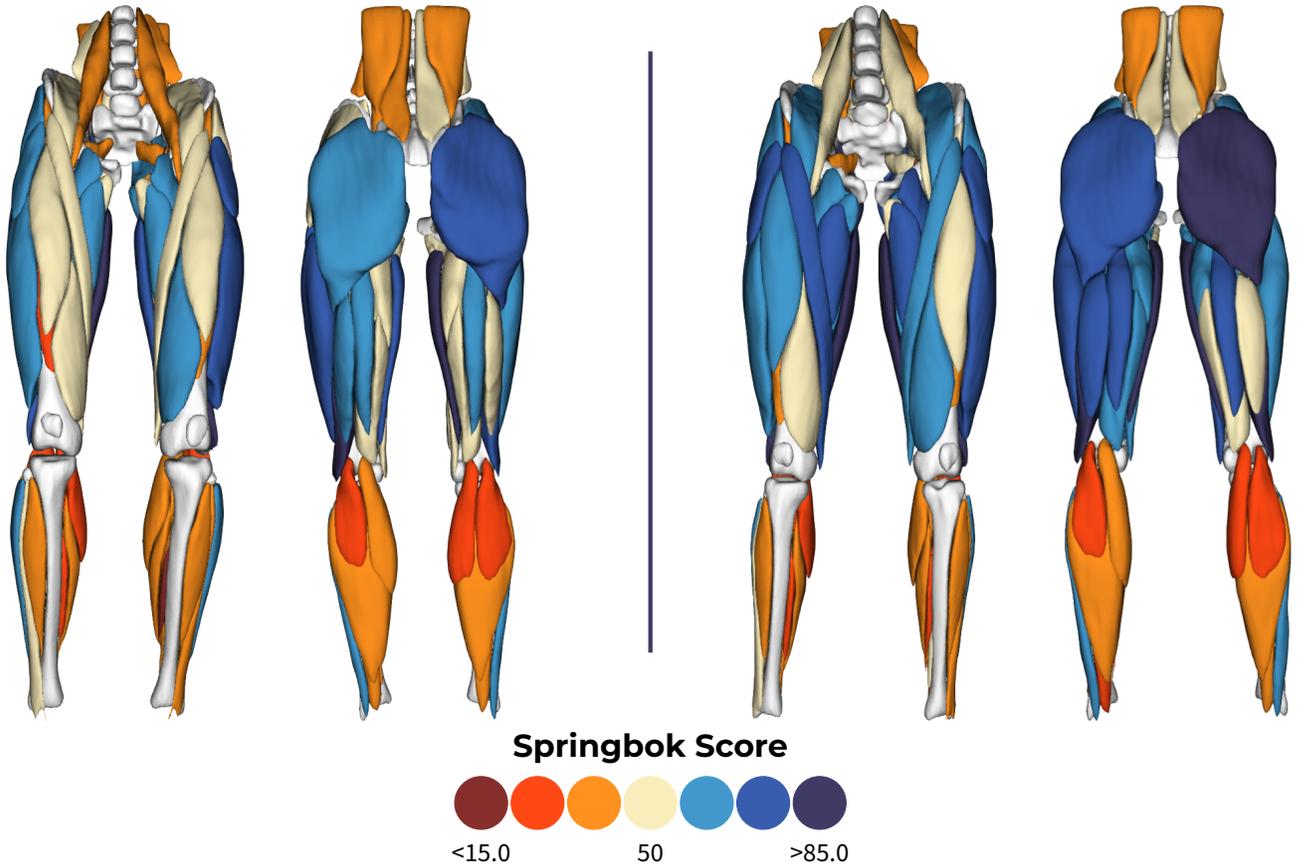


Development Comparison

SCAN 1 | JULY

SCAN 2 | DECEMBER

Springbok Score



Percent Change

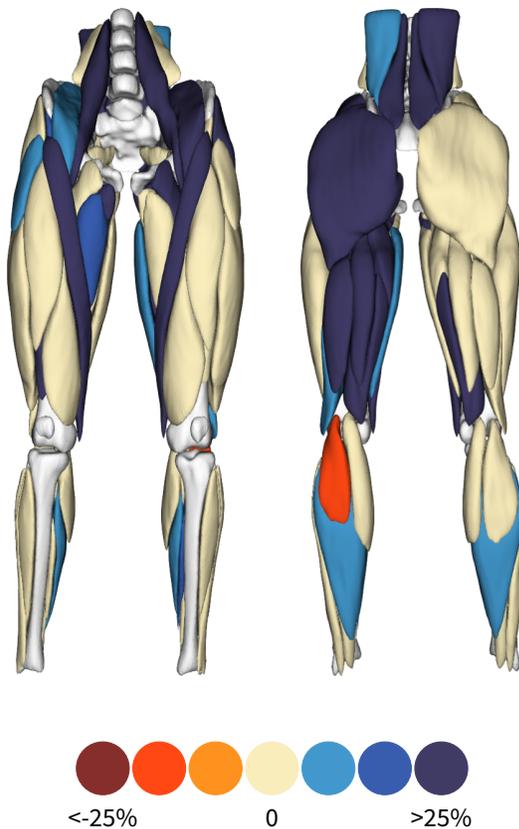


Table: Notable Percent Changes in Muscle Volume

Muscle	Percent Change
L. Flexor Digitorum Longus	↑ 39.9%
L. Obturator Externus	↑ 36.3%
L. External Rotators	↑ 34.2%
R. Sartorius	↑ 27.1%
R. Obturator Internus	↓ -26.3%
R. Vastus Intermedius	↑ 25.5%

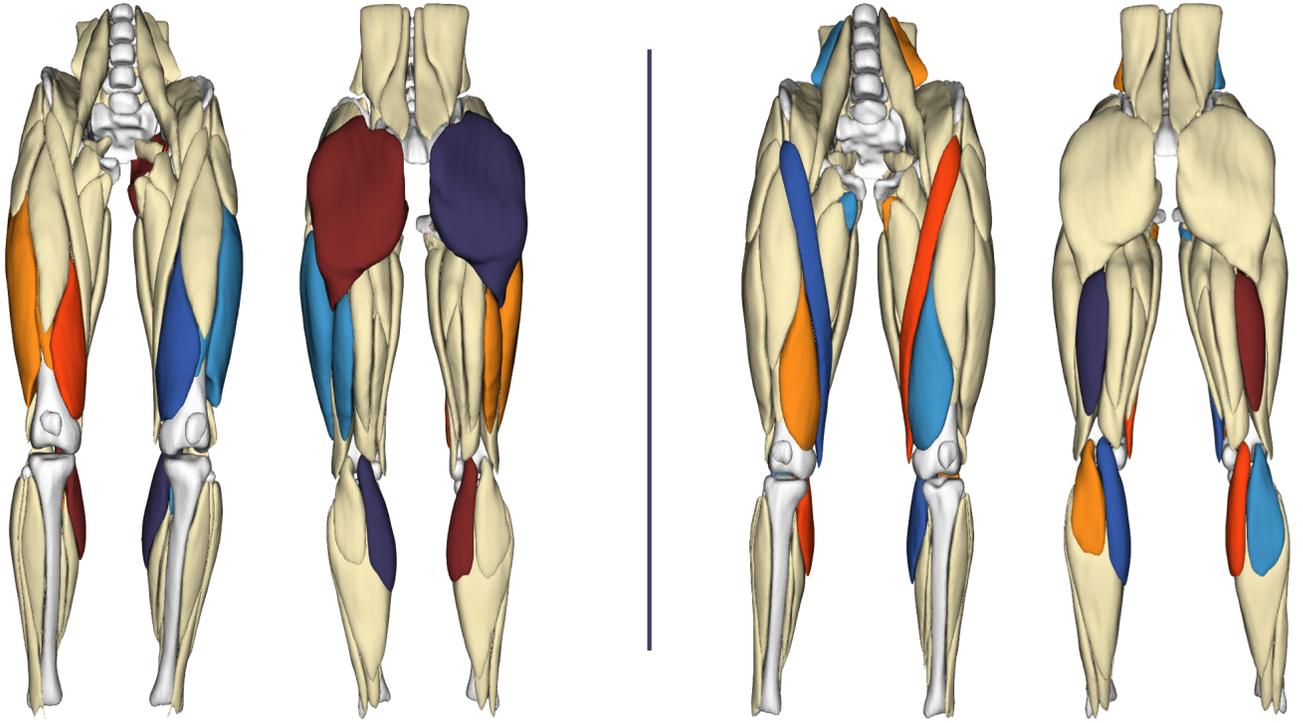


Asymmetry Comparison

SCAN 1 | JULY

SCAN 2 | DECEMBER

R-L Asymmetry



L | R Asymmetry



Biggest Movers

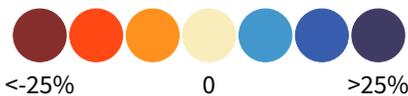
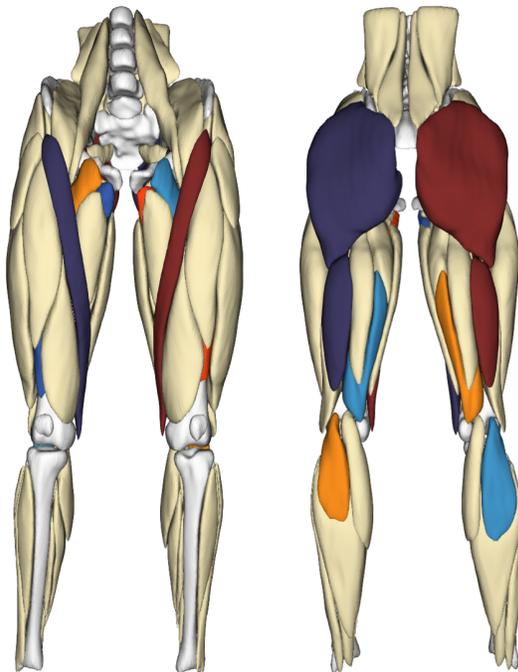


Table: Notable Changes in Asymmetry

Muscle	L	Percent Change	R
Obturator Internus	➔	-17.8%	➔
Vastus Intermedius	➔	-14.4%	➔
Gluteus Maximus	➔	-10.8%	➔
Biceps Femoris: Long Head	➔	-8.9%	➔
Adductor Brevis	➔	-8.0%	➔
Sartorius	➔	-7.2%	➔

Note: Arrows indicate whether the muscle became more (arrows facing in) or less (arrows facing out) symmetric and which leg is larger in the most recent study



Interactive Viewer

For an interactive and in-depth view of your study, please visit the [Interactive Viewer](#).

Features Include:

- Interactive anatomical structures
 - Interactive data presentation
 - Multiple viewing modes for examination of muscle characteristics
 - In-depth anatomy database
 - Access to original DICOM images
 - Study comparison mode
 - Integrated screen capture function
 - Export feature to download data
 - Feedback and suggestions portal
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