



## Healthy Male Subject Sample Report Date of Scan | 05.13.2022

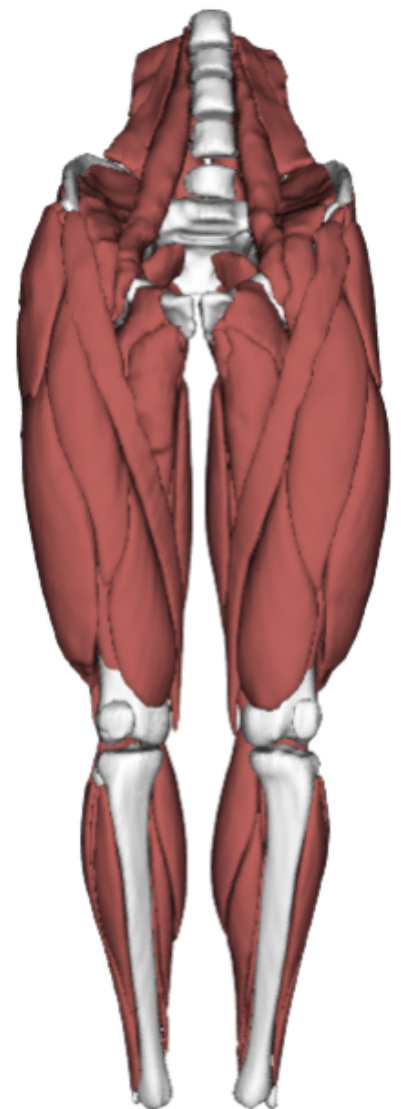
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Pgs. 2-3 | Executive Summary  
Pg. 4 | Full Lower Extremity Asymmetry Profile  
Pg. 5 | Full Lower Extremity Development Profile  
Pg. 6-11 | Muscle-Level Metrics  
Pg. 12 | Interactive Viewer

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To check out this report in 3D, visit  
[app.springbokanalytics.com](https://app.springbokanalytics.com).

*The Springbok report is an in-depth analysis of the subject's musculature  
and is not intended to be used for diagnostic purposes*



Height | 6ft 1in

Weight | 195lbs

Scan Date | 05.13.2022

## Key Observations

- 1. Asymmetry:** Hip abductors and hip external rotators have a high level of asymmetry and are larger on the right leg. Knee flexors are notably larger on the left leg.
  - 2. Asymmetry:** High asymmetry in the gluteus maximus, semitendinosus, medial gastrocnemius, and soleus muscles.
  - 3. Development:** Low development levels bilaterally in the lower leg muscles.
  - 4. Development:** High development levels bilaterally in the vastus lateralis, sartorius, adductor magnus, and tensor fasciae latae.
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**No injuries quantified.**

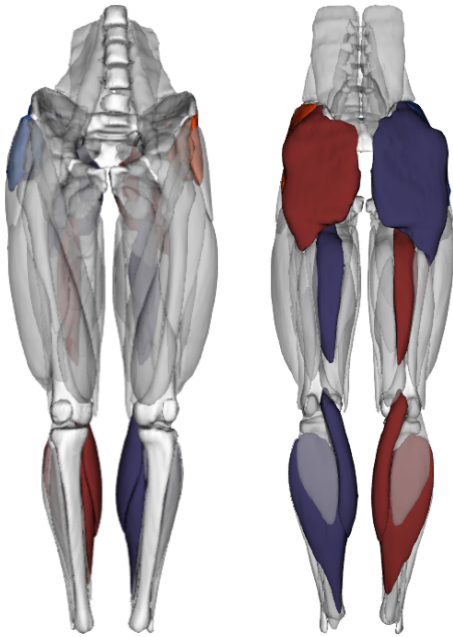
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## Asymmetry Profile

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 opposing leg will be colored red.

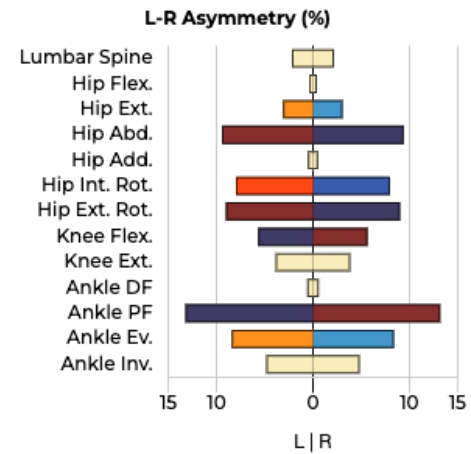


### Muscle Groups

Left	Right
Hip External Rotators	Ankle Plantar Flexors
Hip Abductors	Knee Flexors
Hip Internal Rotators	

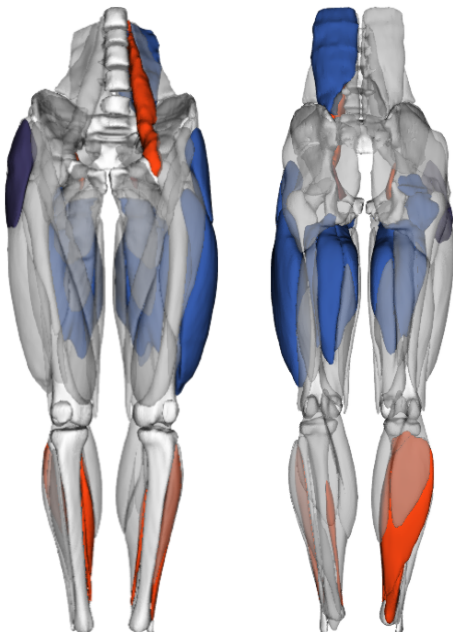
### Individual Muscles

Left	Right
Gluteus Maximus	Soleus
Obturator Internus	Gastrocnemius: Medial Head
Gluteus Medius	Semitendinosus



## Development Profile

Muscle volumes are scored from 0-100, with expected volume based on the subject's height and weight 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.

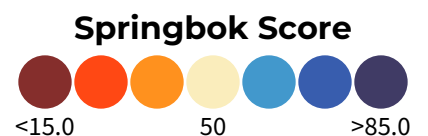
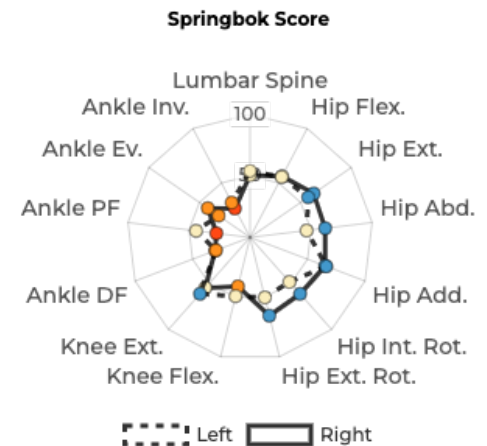


### Muscle Groups

Left	Right
	Ankle Invertors
	Ankle Plantar Flexors

### Individual Muscles

Left	Right
Obturator Internus	Tensor Fasciae Latae
Erector Spinae	Flexor Digitorum Longus
Tensor Fasciae Latae	Flexor Hallucis Longus
Semitendinosus	Gemelli
Adductor Magnus	Tibialis Posterior
Vastus Lateralis	Quadratus Femoris

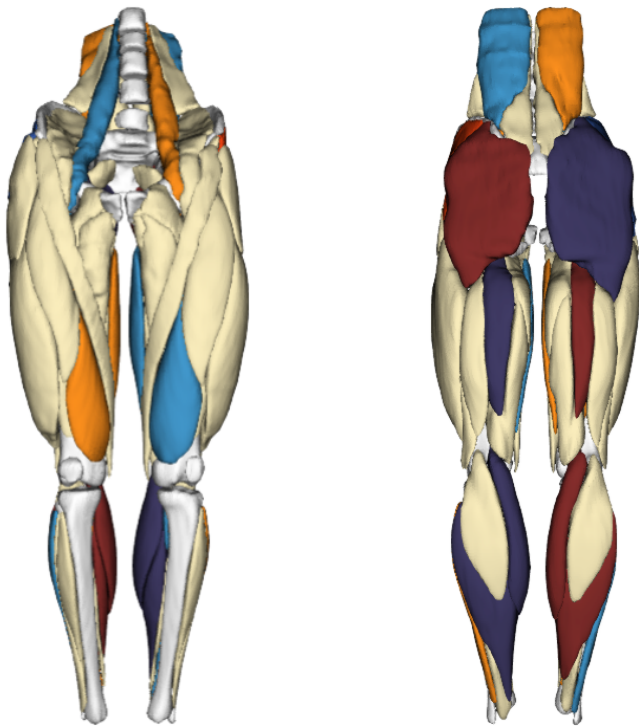


# Full Lower Extremity Muscle Asymmetry Profile

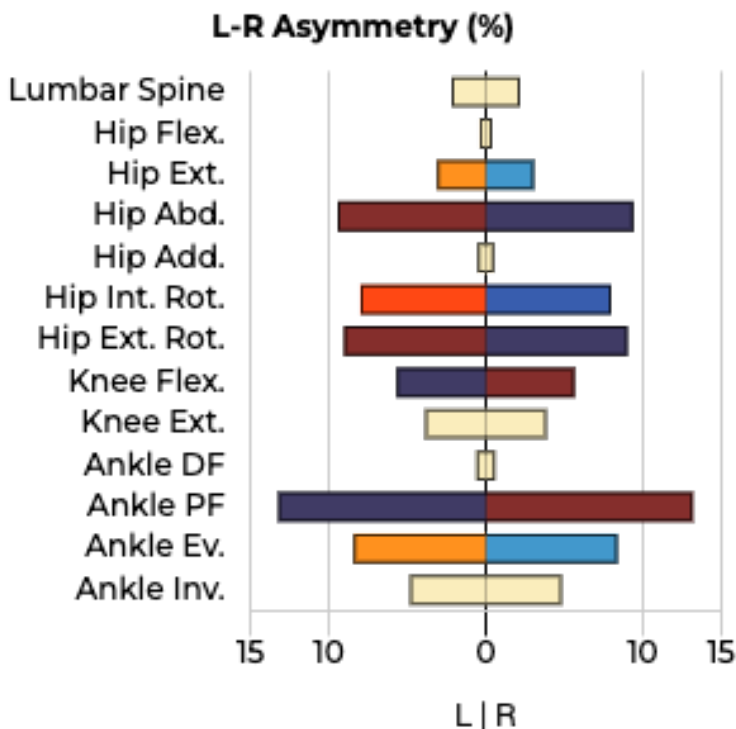
Height | 6ft 1in

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	Group	L	R
Hip & Trunk	Lumbar Spine	2.2%	-2.2%
	Flexors	-0.4%	0.4%
	Extensors	-3.1%	3.1%
	Abductors	-9.4%	9.4%
	Adductors	0.5%	-0.5%
	Internal Rotators	-8.0%	8.0%
	External Rotators	-9.0%	9.0%
Knee	Flexors	5.7%	-5.7%
	Extensors	3.9%	-3.9%
Ankle	Dorsiflexors	-0.6%	0.6%
	Plantar Flexors	13.2%	-13.2%
	Evertors	-8.4%	8.4%
	Invertors	4.9%	-4.9%



## Most Asymmetric Muscle Groups

- 1 Hip External Rotators
- 2 Ankle Plantar Flexors

## Most Symmetric Muscle Groups

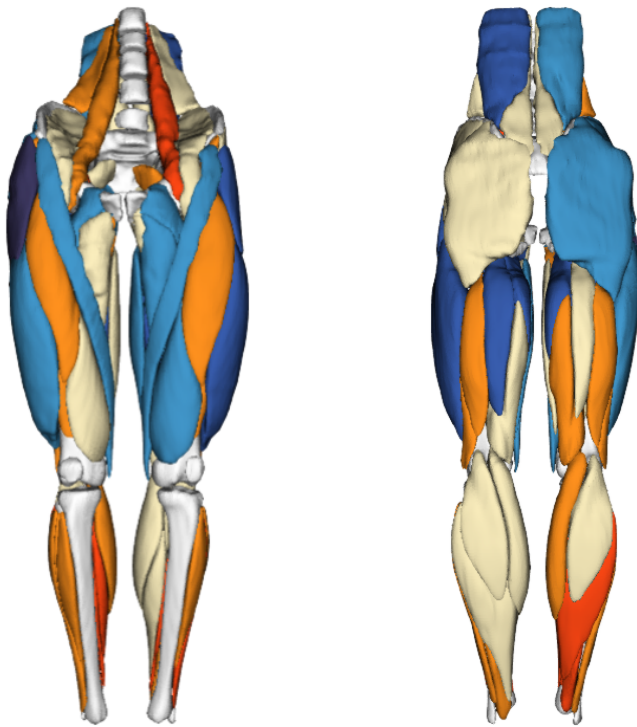
- 1 Ankle Dorsiflexors
- 2 Hip Flexors

# Full Lower Extremity Muscle Development Profile

Height | 6ft 1in

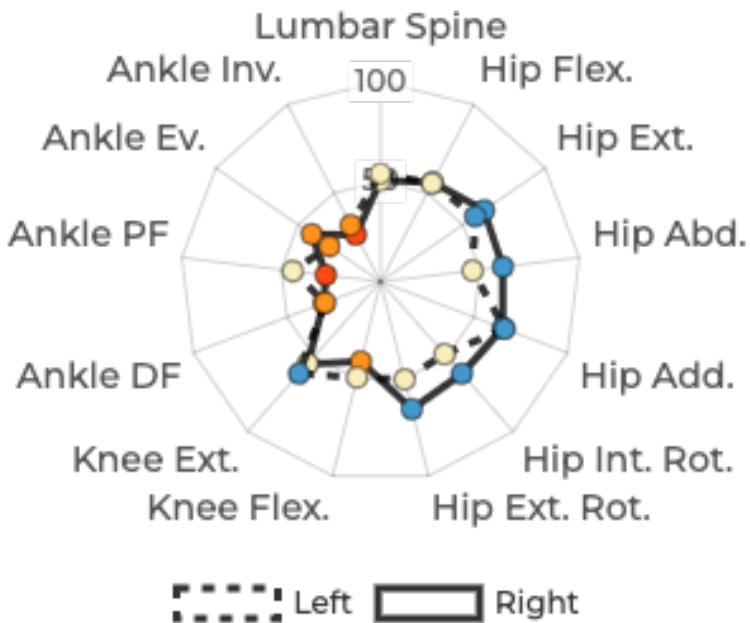
Weight | 195lbs

Scan Date | 05.13.2022



	Group	L	R
Hip & Trunk	Lumbar Spine	54.0	50.6
	Flexors	55.4	56.1
	Extensors	57.5	62.9
	Abductors	46.4	61.6
	Adductors	66.3	65.4
	Internal Rotators	48.3	61.4
	External Rotators	50.3	65.6
Knee	Flexors	49.2	41.0
	Extensors	61.4	54.8
Ankle	Dorsiflexors	29.6	30.3
	Plantar Flexors	44.2	27.6
	Evertors	31.1	41.8
	Invertors	32.0	26.5

## Springbok Score



## Highest Scoring Muscle Groups

- 1 Hip Adductors
- 2 Hip Extensors

## Lowest Scoring Muscle Groups

- 1 Ankle Invertors
- 2 Ankle Dorsiflexors

# Muscle-Level Metrics

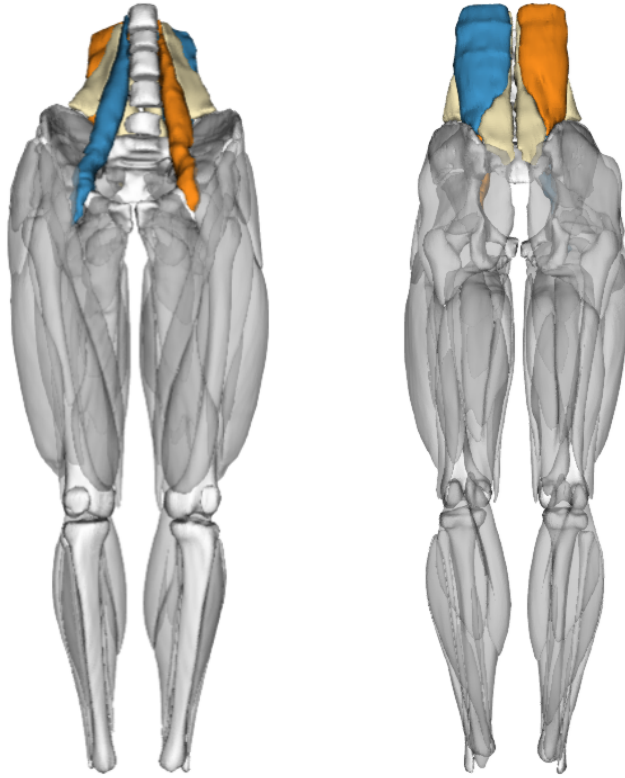
## Lumbar Muscles

Height | 6ft 1in

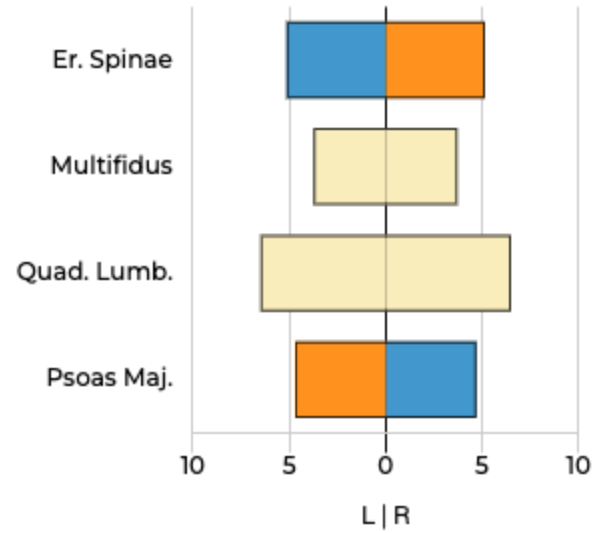
Weight | 195lbs

Scan Date | 05.13.2022

### Asymmetry Profile



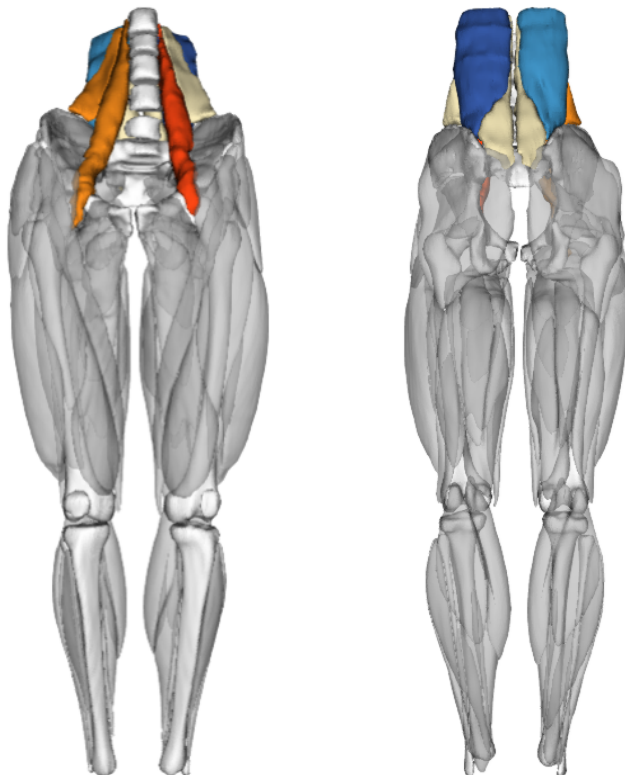
L-R Asymmetry (%)



L | R Asymmetry



### Development Profile

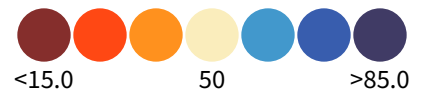


Springbok Score



Left Right

Springbok Score





# Muscle-Level Metrics

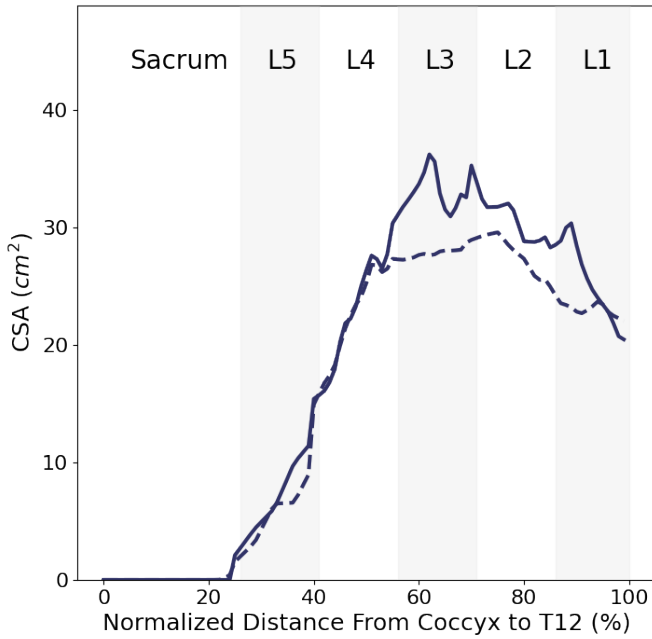
## Lumbar Muscles - CSA Analysis

Height | 6ft 1in

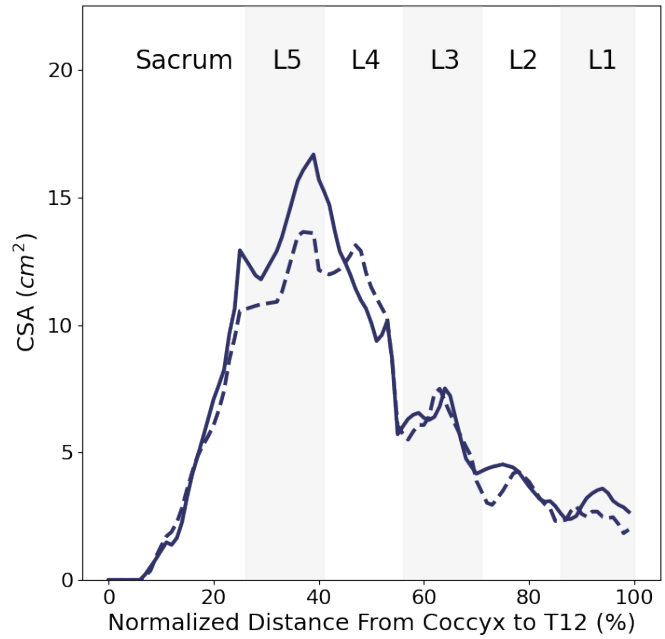
Weight | 195lbs

Scan Date | 05.13.2022

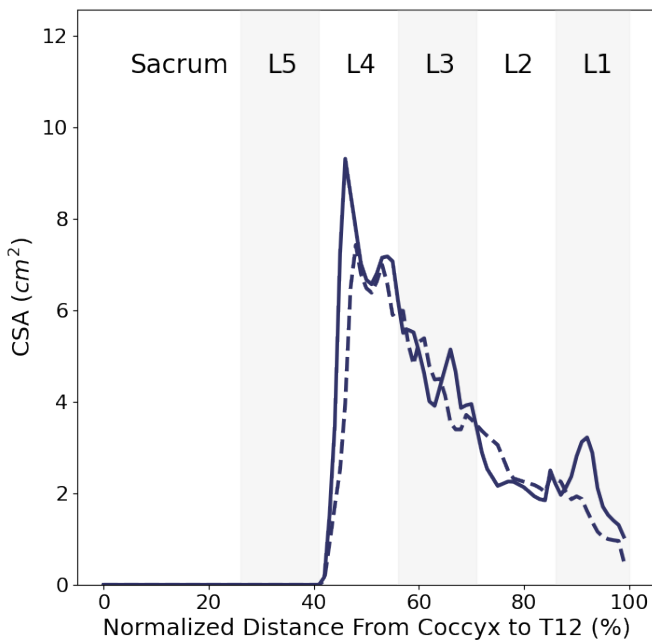
### Erector Spinae



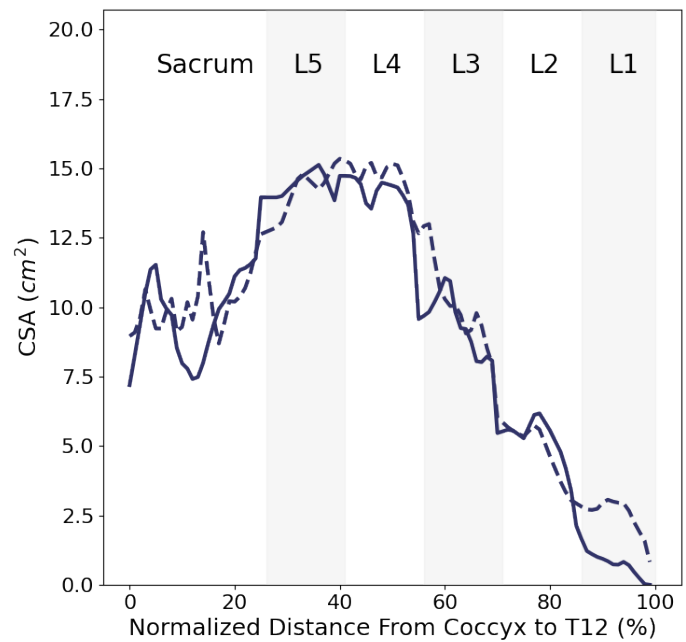
### Multifidus



### Quadratus Lumborum



### Psoas Major



— Left  
- - - Right

# Muscle-Level Metrics

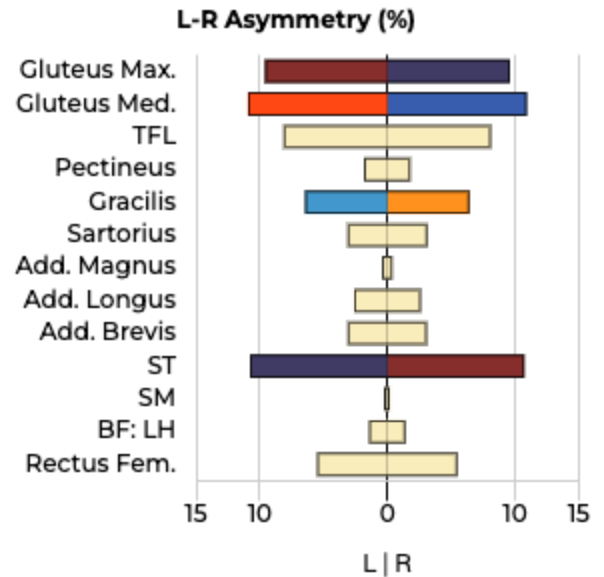
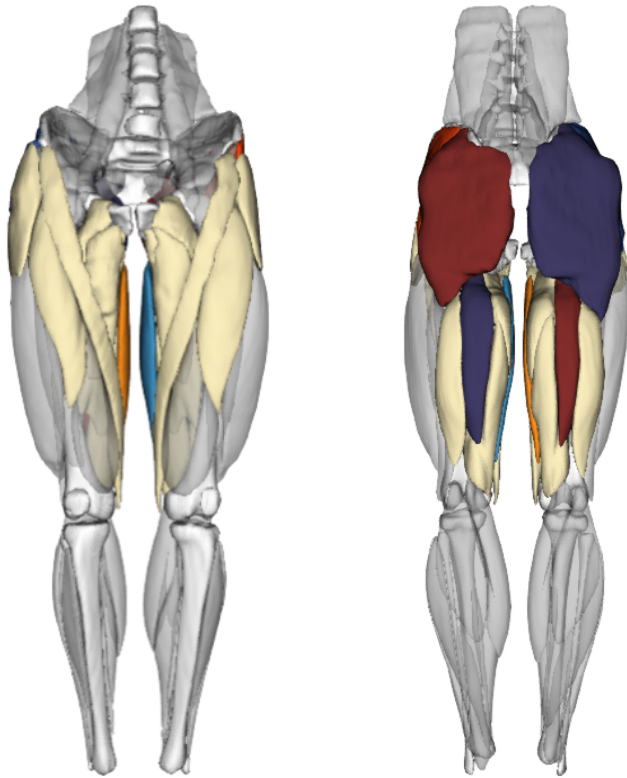
## Superficial Hip Muscles

Height | 6ft 1in

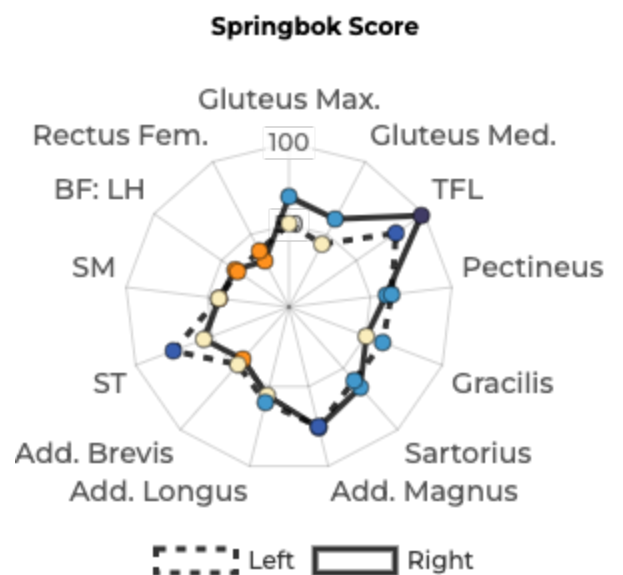
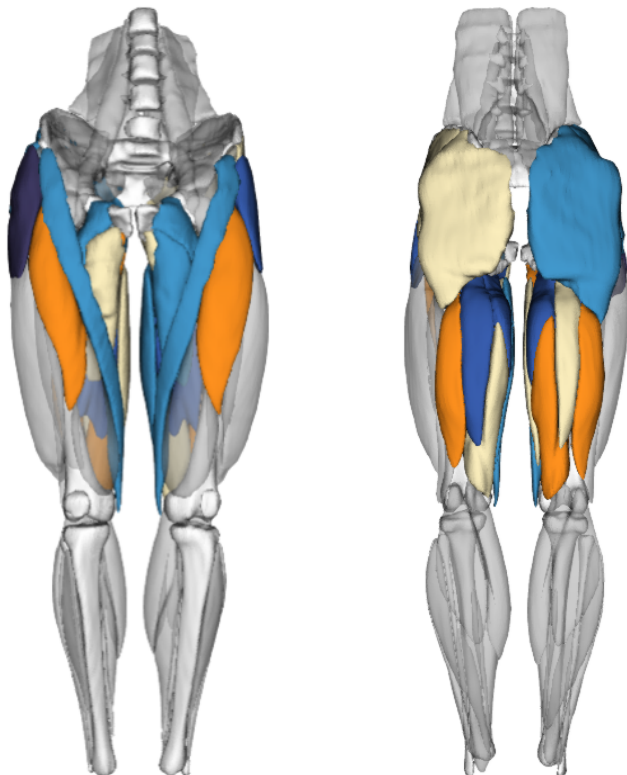
Weight | 195lbs

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### Asymmetry Profile



### Development Profile





# Muscle-Level Metrics

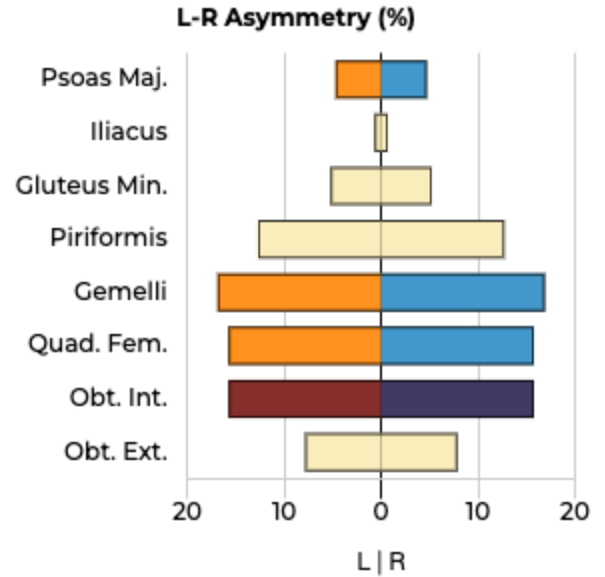
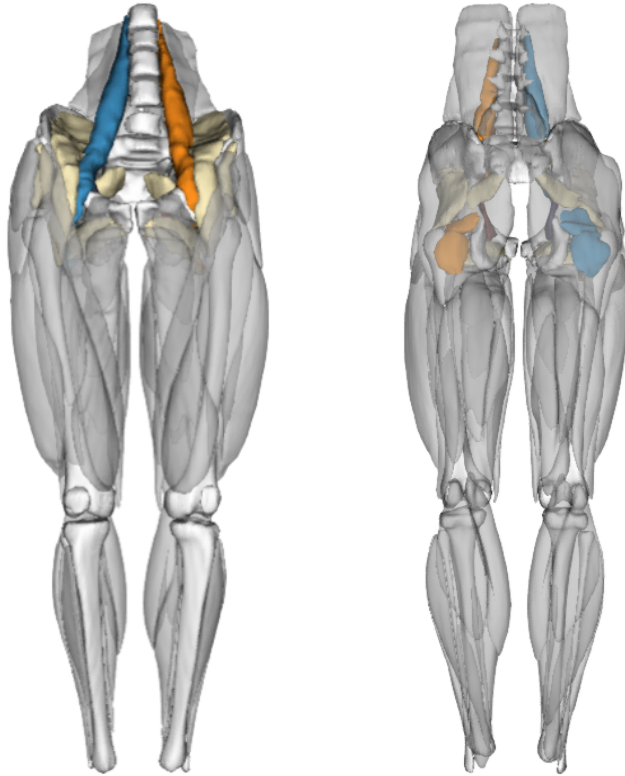
## Deep Hip Muscles

Height | 6ft 1in

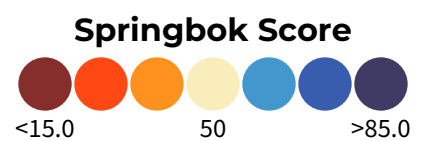
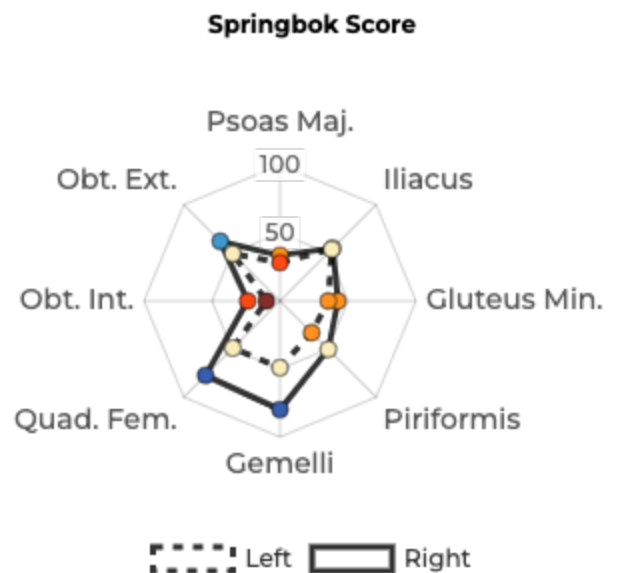
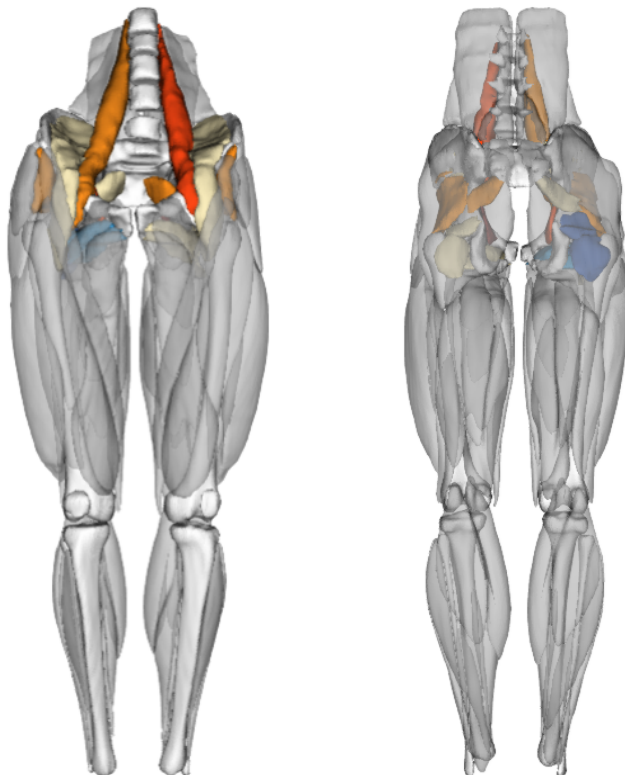
Weight | 195lbs

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### Asymmetry Profile



### Development Profile



# Muscle-Level Metrics

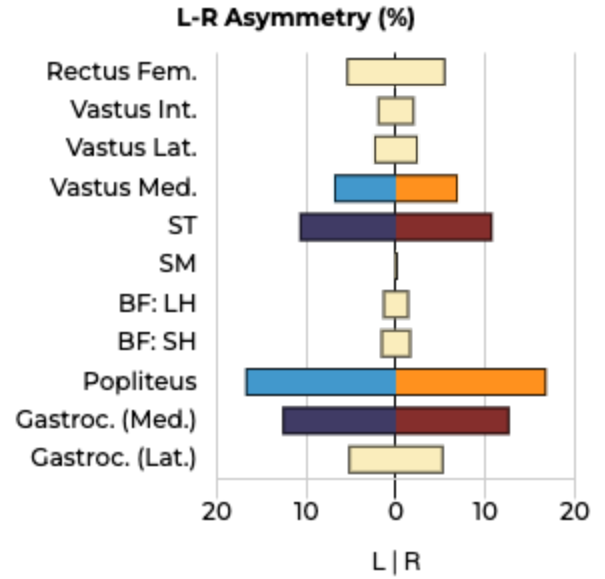
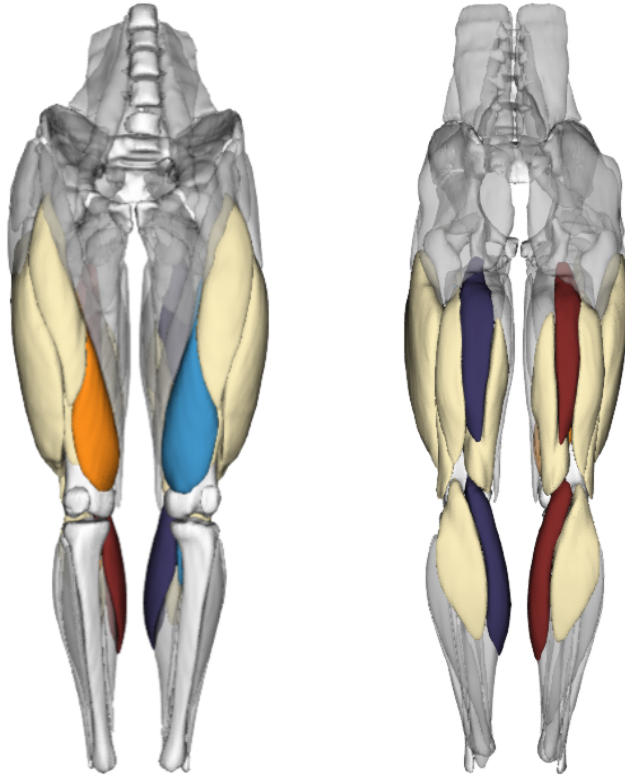
## Knee Muscles

Height | 6ft 1in

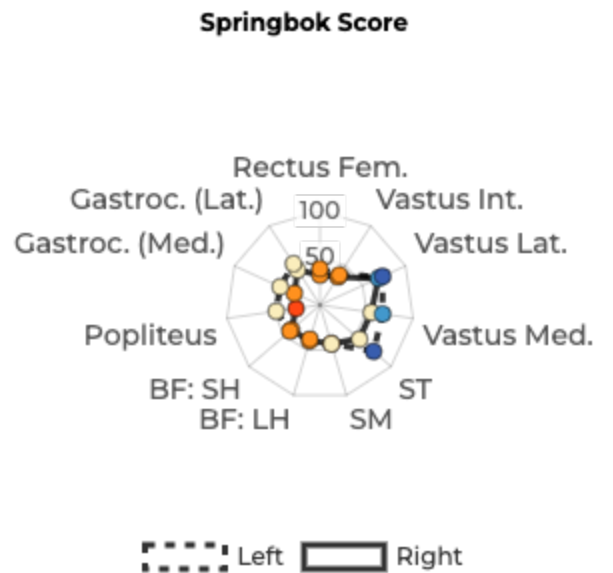
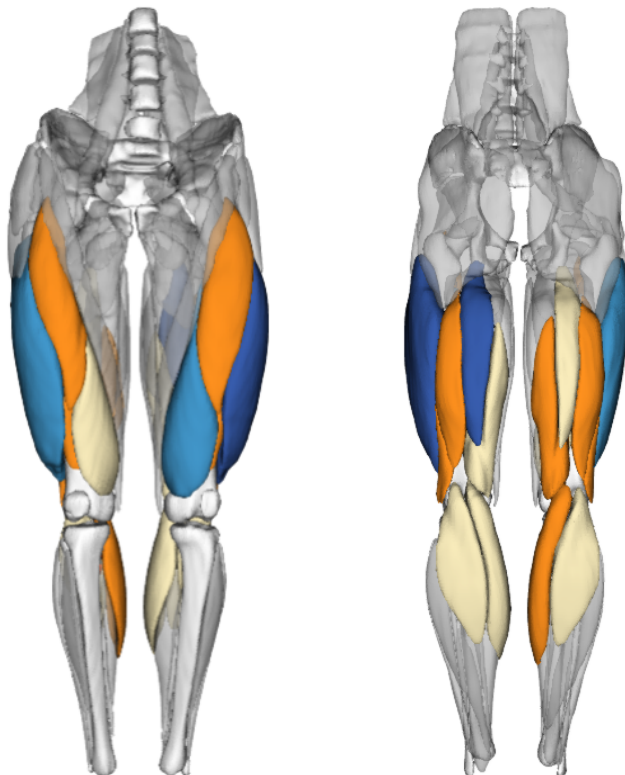
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### Asymmetry Profile



### Development Profile



# Muscle-Level Metrics

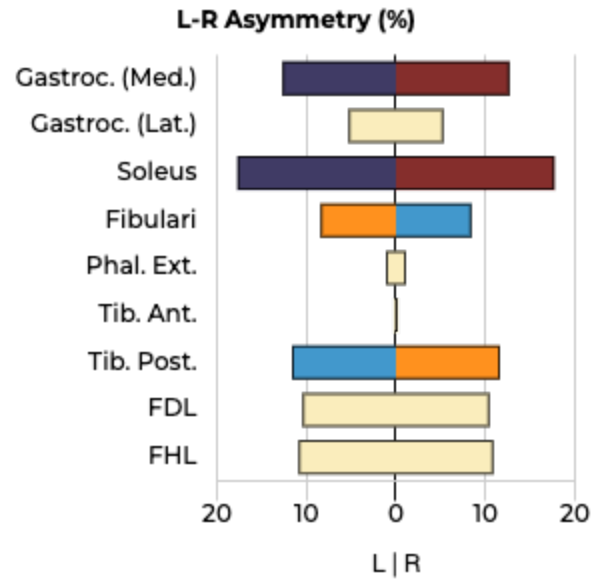
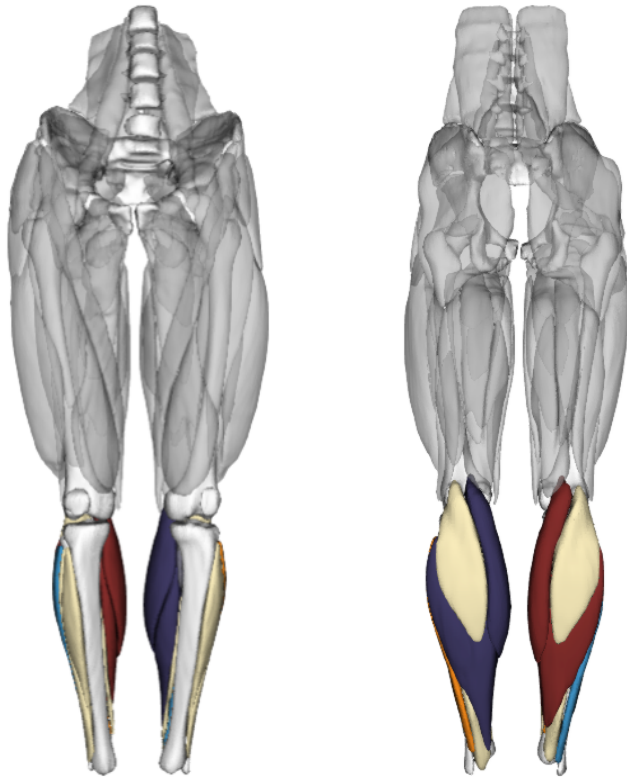
## Ankle Muscles

Height | 6ft 1in

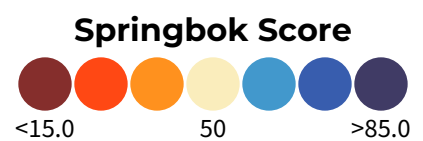
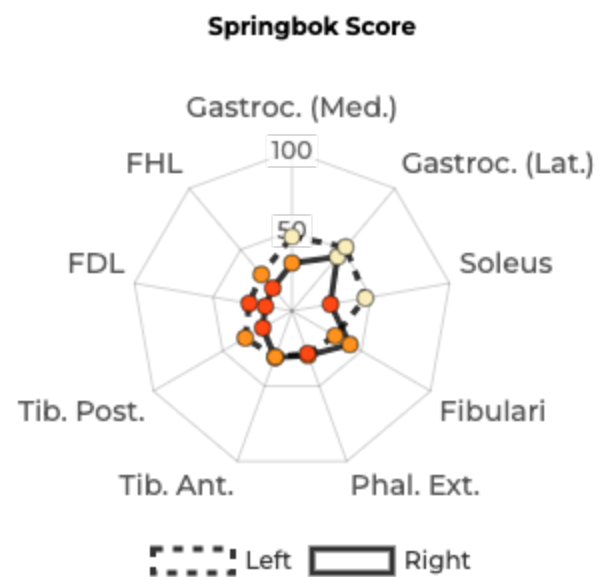
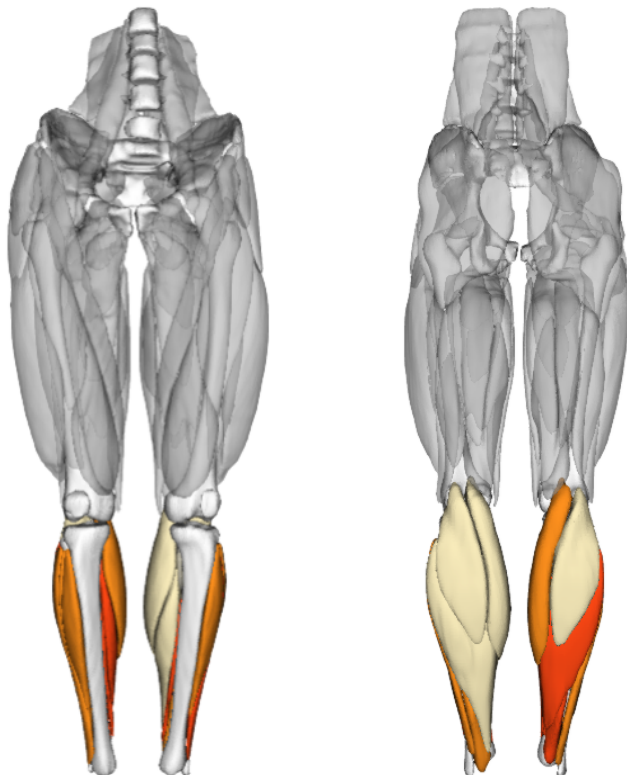
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### Asymmetry Profile



### Development Profile





## Interactive Viewer

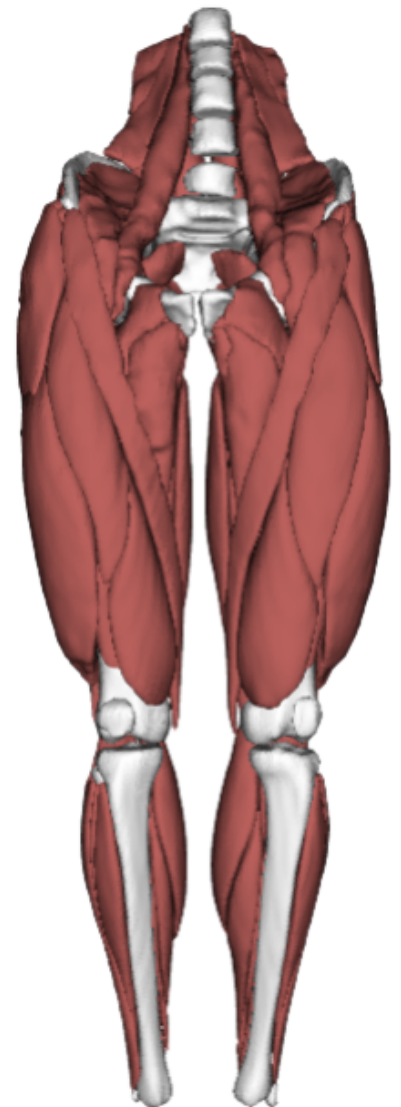
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For an interactive and in-depth view of your study, please visit the Interactive Viewer at [app.springbokanalytics.com](http://app.springbokanalytics.com).

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### 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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