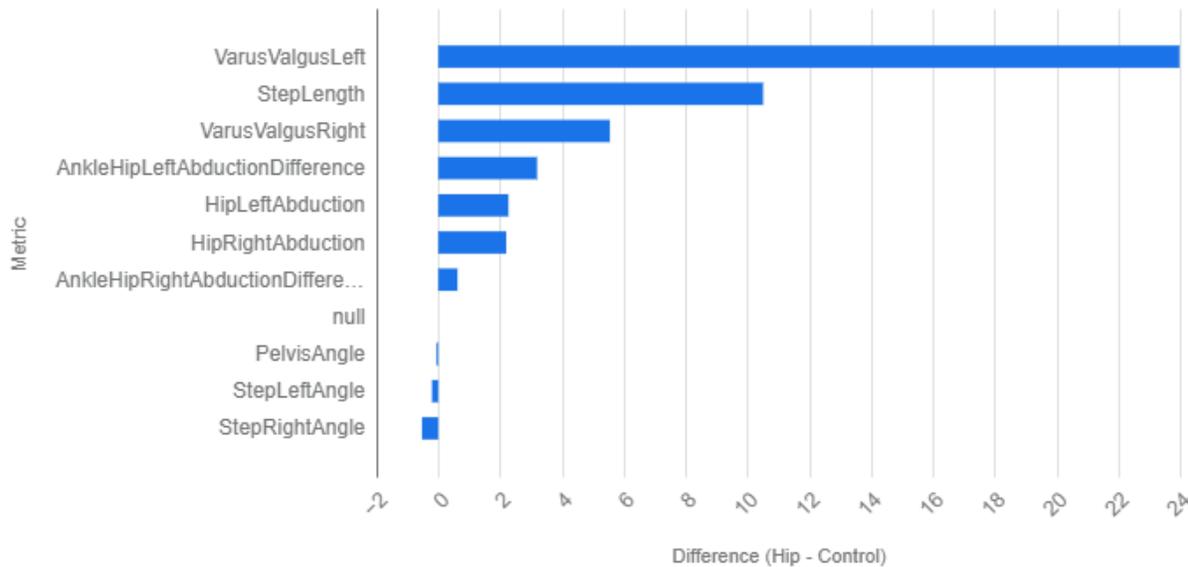


## Comparison of Averages for all Control versus all Hip captures.

Major Differences Between Hip and Control Group Averages



### Report: Major Differences Between Hip and Control Group Averages

The bar chart visually represents the average differences between the 'Hip' group and the 'Control' group for various metrics. A positive difference indicates that the average value for the 'Hip' group is higher than the 'Control' group, while a negative difference indicates it's lower.

#### Key Observations from the Chart:

- **VarusValgusLeft** shows the largest positive difference, indicating a significantly higher average value in the 'Hip' group compared to the 'Control' group.
- **StepLength** also exhibits a substantial positive difference, suggesting that the 'Hip' group tends to have a longer step length on average.
- **VarusValgusRight** and **AnkleHipLeftAbductionDifference** also show notable positive differences.
- **HipLeftAbduction** and **HipRightAbduction** show positive differences, indicating higher average abduction angles in the 'Hip' group.
- **AnkleHipRightAbductionDifference**, **StepRightAngle**, **StepLeftAngle**, and **PelvisAngle** show relatively smaller differences, some positive and some negative.

This chart provides a clear overview of the most prominent disparities in measurements when comparing the 'Hip' and 'Control' groups. These insights can be valuable for understanding the characteristic differences between these two categories.

### **Statistically Significant Differences: Control vs. Hip**

The following metrics showed a **statistically significant difference** ( $p < 0.05$ ) between the 'Control' group and the 'Hip' group:

- **AnkleHipLeftAbductionDifference** ( $p=0.0000$ )
- **AnkleHipRightAbductionDifference** ( $p=0.0000$ )
- **HipLeftAbduction** ( $p=0.0000$ )
- **HipRightAbduction** ( $p=0.0000$ )
- **VarusValgusRight** ( $p=0.0000$ )
- **VarusValgusLeft** ( $p=0.0000$ )
- **StepLength** ( $p=0.0000$ )
- **StepRightAngle** ( $p=0.0000$ )

The following metrics did **not show a statistically significant difference** ( $p \geq 0.05$ ) between the 'Control' group and the 'Hip' group:

- **PelvisAngle** ( $p=0.4080$ )
- **StepLeftAngle** ( $p=0.1053$ )