

## SynerSense Gait Lab

### Gait Analysis Report



#### Patient Detail

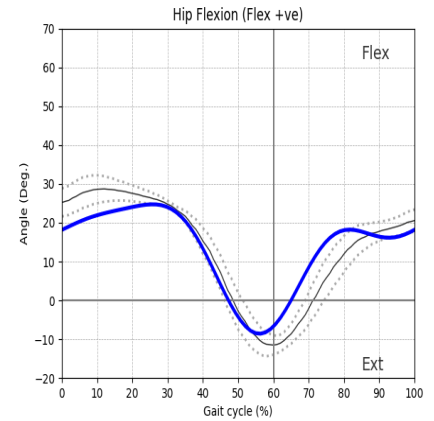
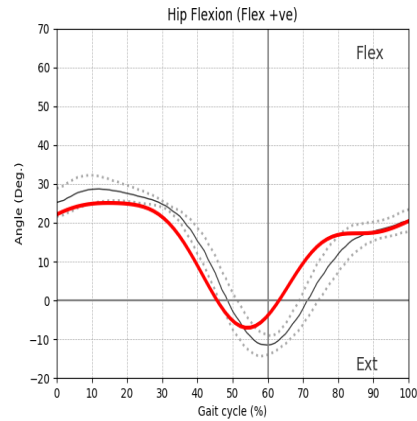
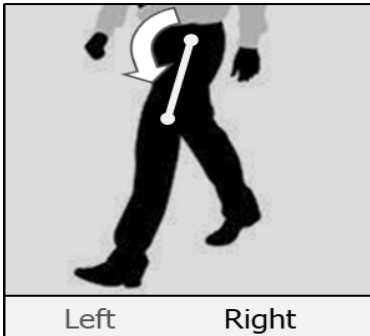
Patient Name : <b>Test Test</b>	Diagnosis / Pathology : <b>Healthy_demo</b>
Patient ID : <b>Test_Walk03</b>	Study Type : <b>Orthopedic_disorders</b>
Gender / Age (year) : <b>Male / 39</b>	Study Protocol : <b>Walking</b>
Height (cm) / Weight (kg) : <b>170 / 90</b>	Study Date : <b>11-03-2025</b>
DOB : <b>28-08-1985</b>	Study Time (HH:MM) : <b>17 : 29</b>
Department : <b>Orthopaedics</b>	Consulting Doctor : <b>Dr Ram</b>
Contact Number: <b>1111111111</b>	Referred By :

#### Appointment Remarks

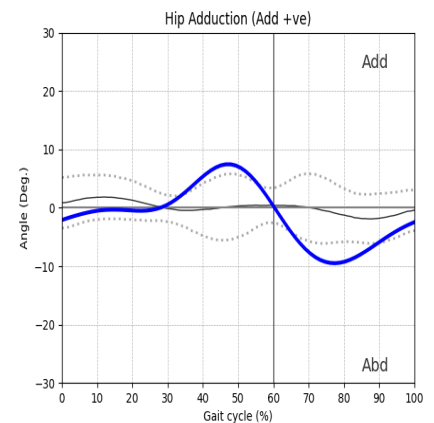
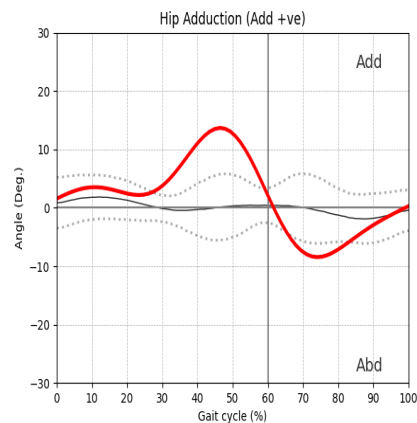
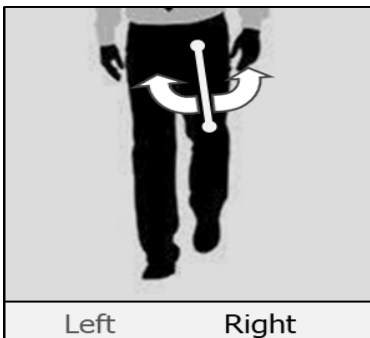
Left Right

## Kinematics - Hip Joint

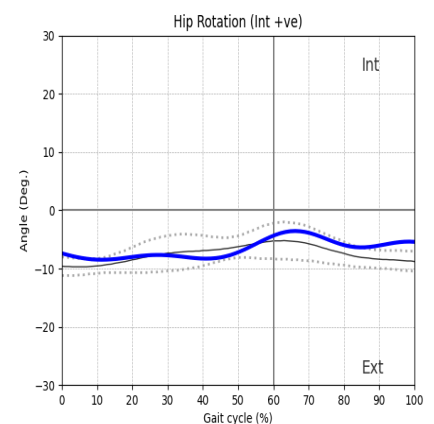
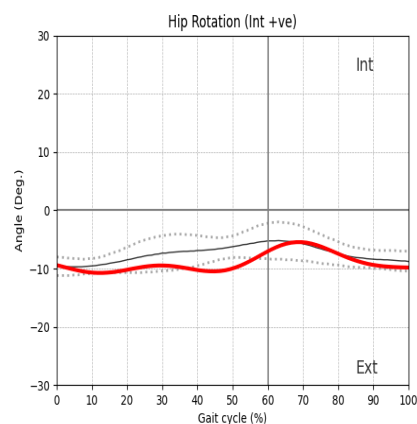
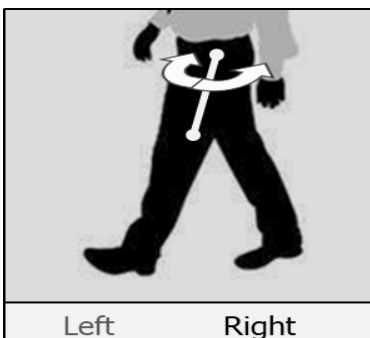
### Hip Sagittal



### Hip Frontal

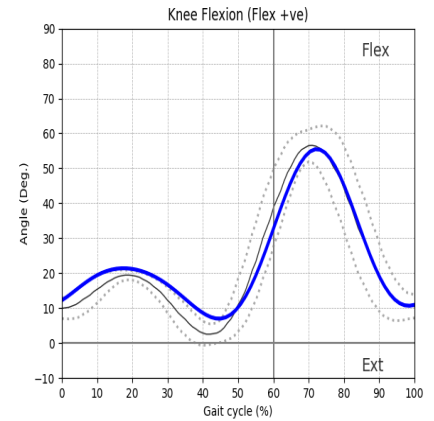
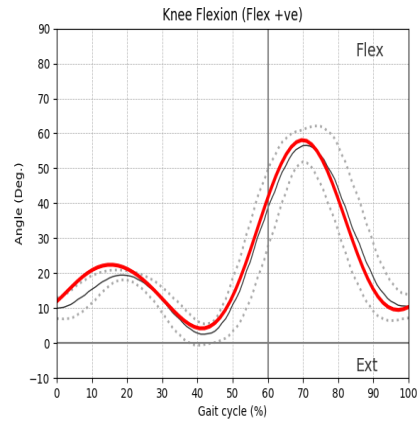
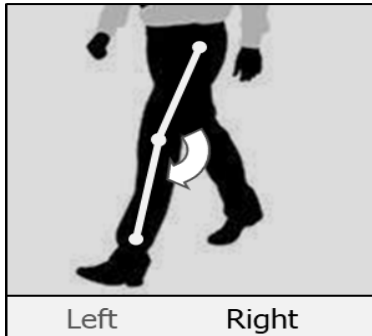


### Hip Transverse

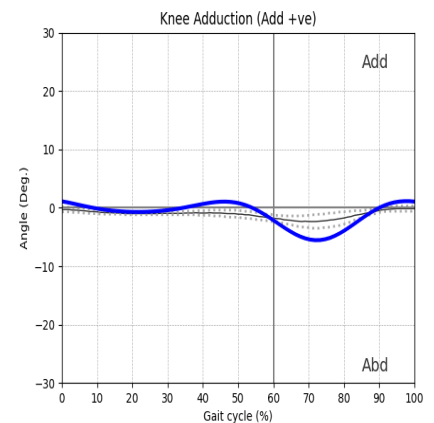
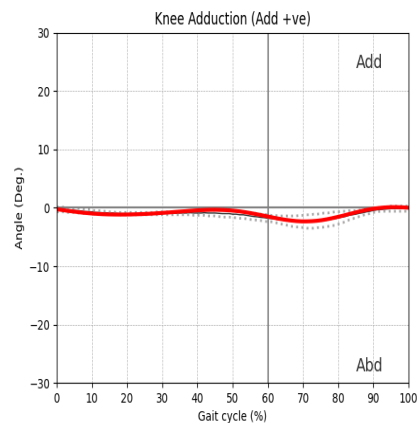
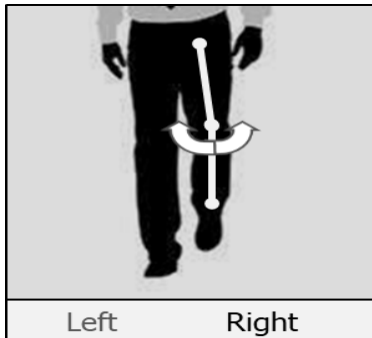


## Kinematics - Knee Joint

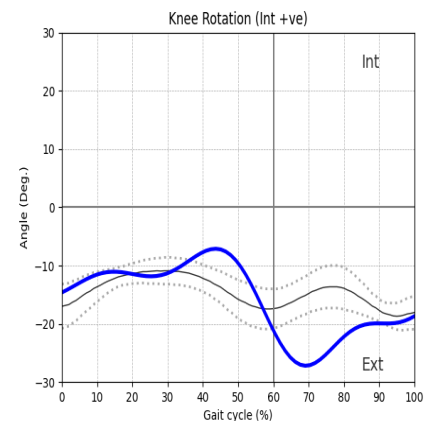
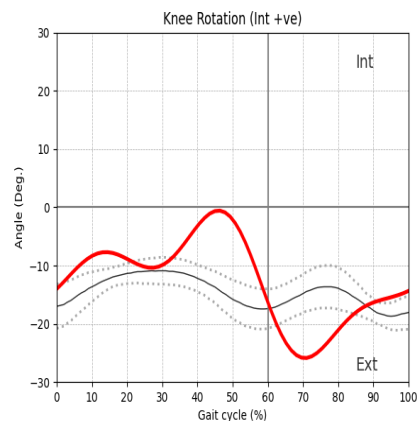
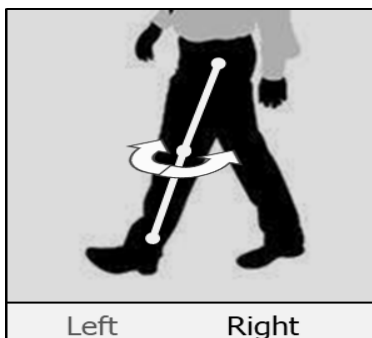
### Knee Sagittal



### Knee Frontal



### Knee Transverse

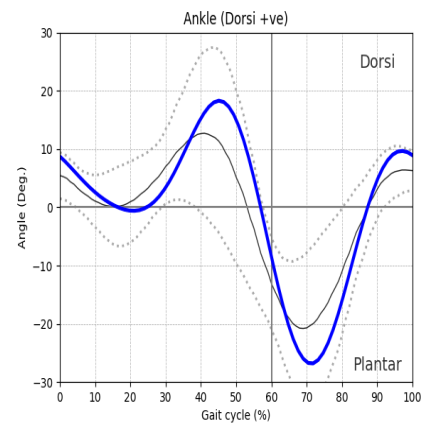
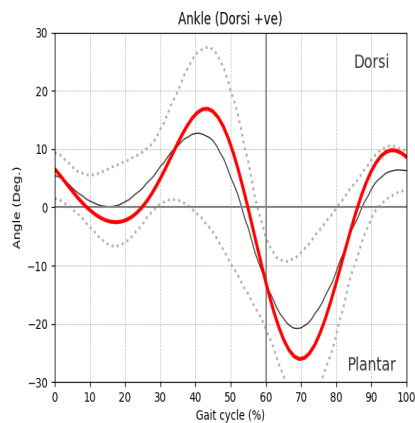
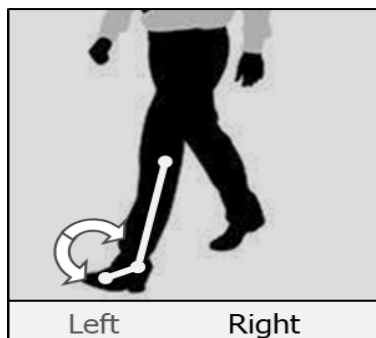


## SynerSense Gait Lab

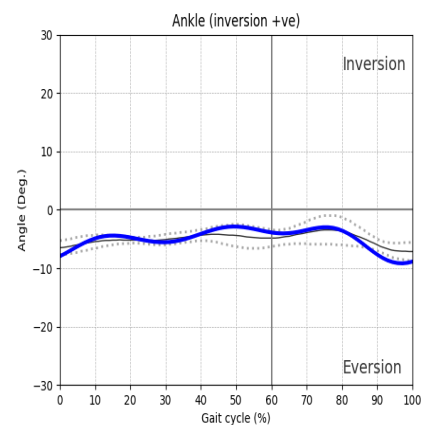
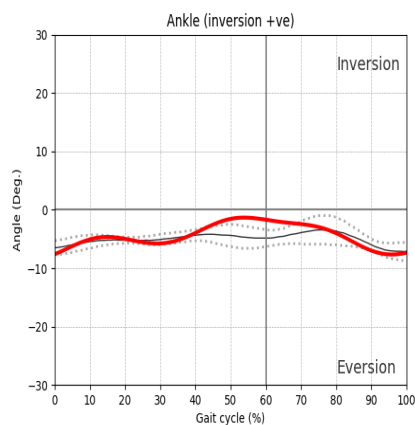
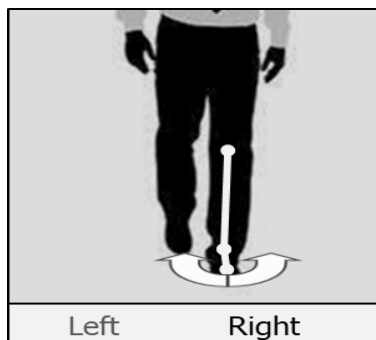
Left Right

### Kinematics - Ankle Joint

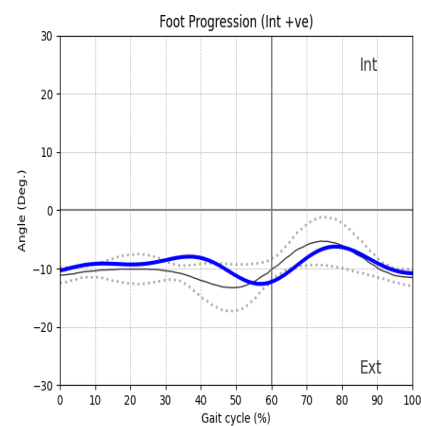
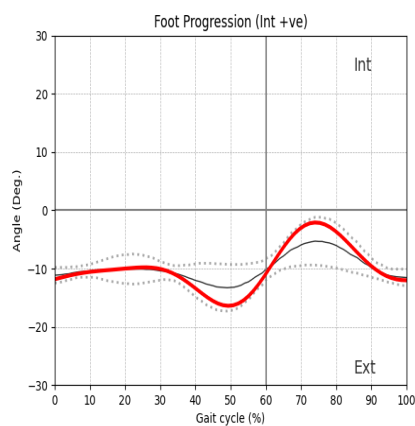
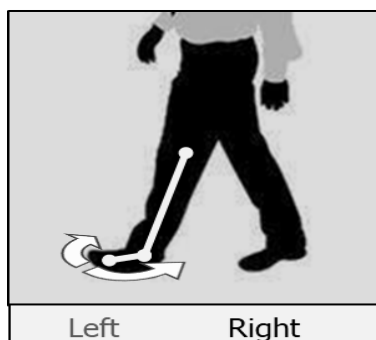
#### Ankle Sagittal



#### Ankle Frontal



#### Ankle Transverse



## SynerSense Gait Lab

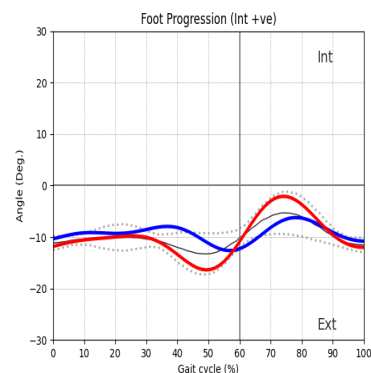
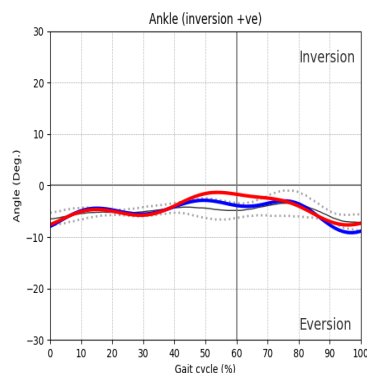
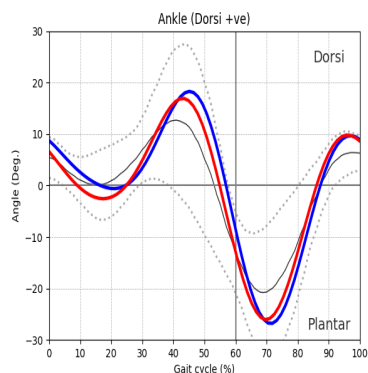
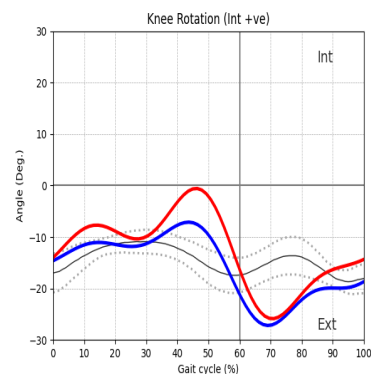
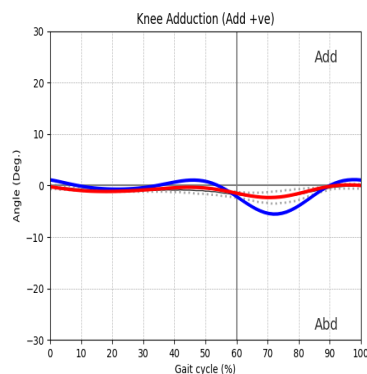
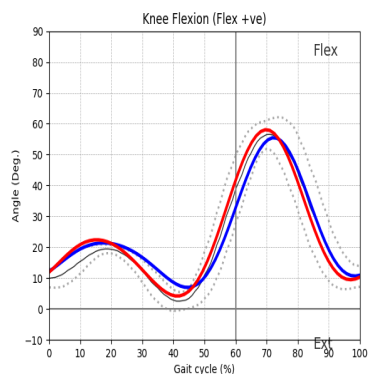
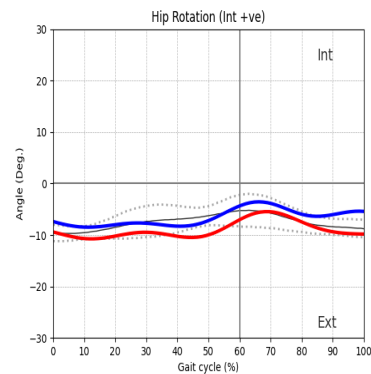
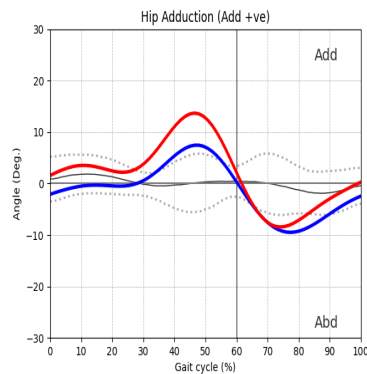
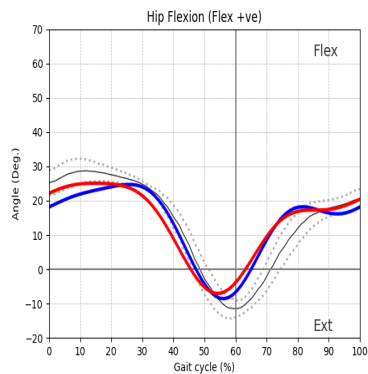
Left Right

### Kinematics - Joint Angle (Left Vs Right)

Sagittal

Frontal

Transverse



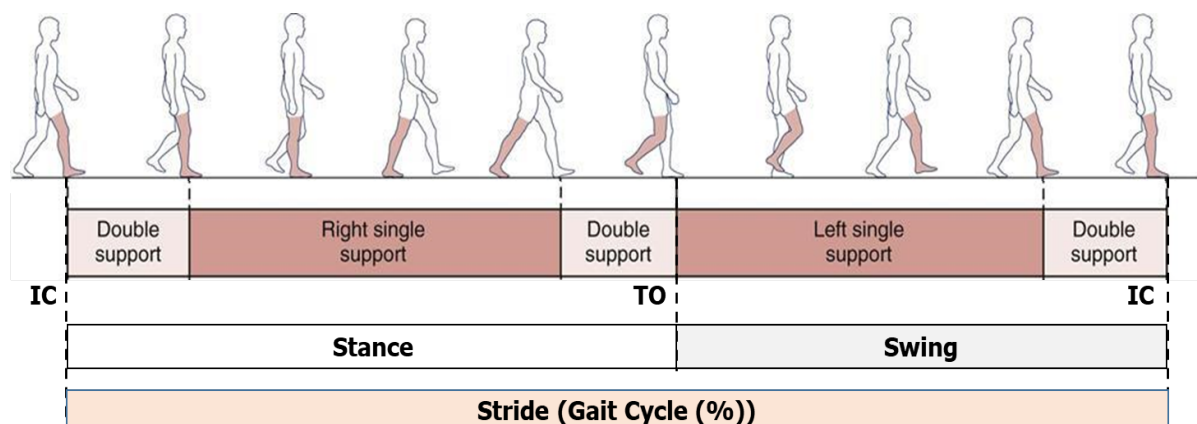
## SynerSense Gait Lab

### Kinematic Parameters

Description	Phase	Left side Angle (Deg.)	Right side Angle (Deg.)
Hip Angle (Initial Contact)	Stance	<b>20.77</b>	<b>17.02</b>
Knee Angle (Initial Contact)	Stance	<b>9.73</b>	<b>10.91</b>
Ankle Angle (Initial Contact)	Stance	<b>8.33</b>	<b>9.91</b>
Hip Angle (Min)	Stance	<b>0.93</b>	<b>1.1</b>
Hip Angle (Max)	Swing	<b>16.39</b>	<b>17.77</b>
Knee Angle (Min)	Stance	<b>4.23</b>	<b>7.01</b>
Knee Angle (Max)	Swing	<b>58.07</b>	<b>55.46</b>
Ankle Angle (Min)	Stance	<b>0.13</b>	<b>0.1</b>
Ankle Angle (Max)	Swing	<b>26.06</b>	<b>26.79</b>

## SynerSense Gait Lab

### Gait Parameters



### Temporal and Spatial Parameters

Description	Side	Value	Unit	Normal Range
Stride Length	Left	↑ <b>1.4</b>	m	1.03 - 1.23
	Right	↑ <b>1.36</b>		
Stride Time	Left	↑ <b>1.2</b>	sec	0.89 - 0.97
	Right	<b>1.2</b>		
Cadence		↓ <b>101.28</b>	steps/min	121.20 - 138.00
Speed		<b>1.12</b>	m/sec	0.92 - 1.32
Step Length	Left	↑ <b>0.84</b>	m	0.52 - 0.64
	Right	↑ <b>0.82</b>		
Stance Phase (% Gait Cycle)	Left	<b>61.02</b>	%	
	Right	<b>59.32</b>		
Swing Phase (% Gait Cycle)	Left	<b>38.98</b>	%	
	Right	<b>40.68</b>		
Single Support Phase	Left	<b>25.08</b>	%	
	Right	<b>22.44</b>		
Double Support Phase	Left	<b>12.92</b>	%	
	Right	<b>11.56</b>		

Findings

Opinion