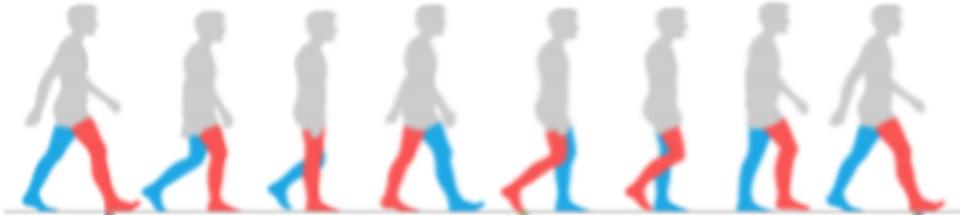


## SynerSense Gait Lab

### 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	:

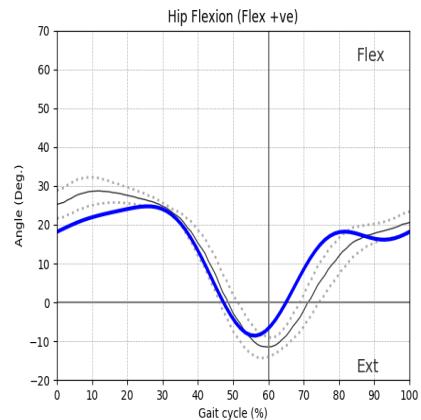
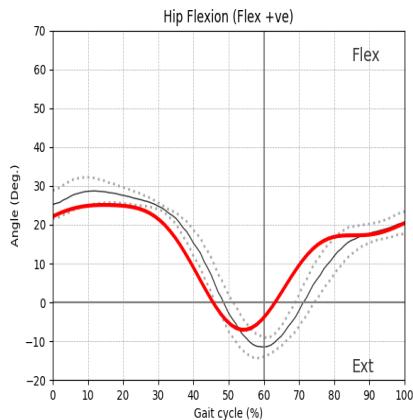
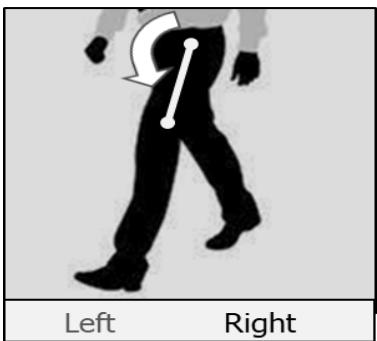
#### Appointment Remarks

## SynerSense Gait Lab

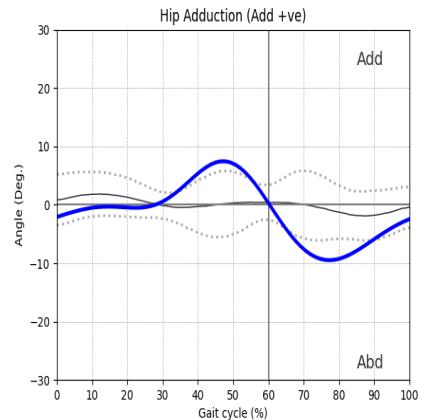
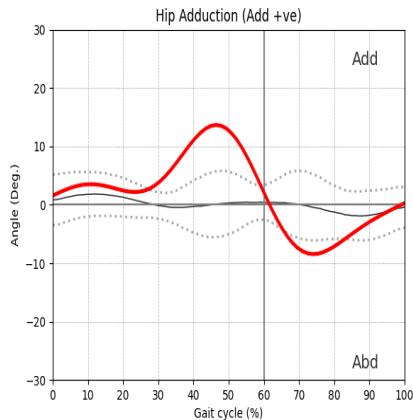
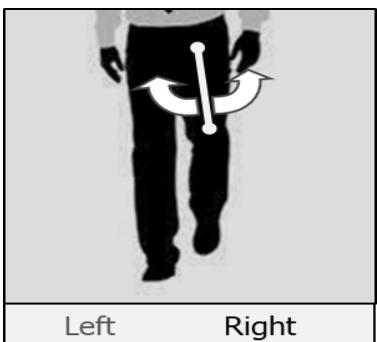
— Left — Right

### Kinematics - Hip Joint

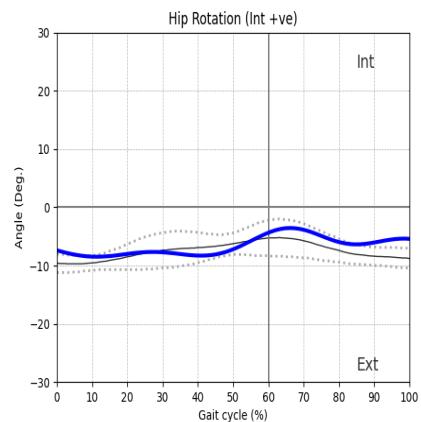
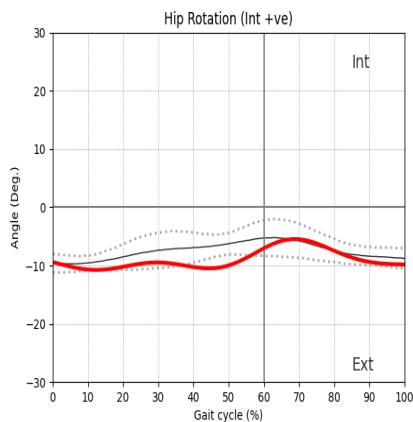
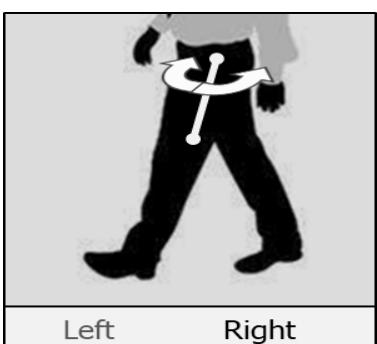
#### Hip Sagittal



#### Hip Frontal



#### Hip Transverse

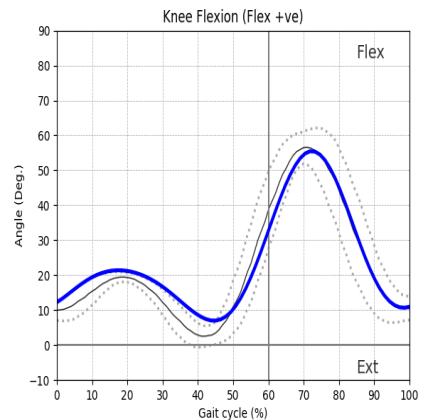
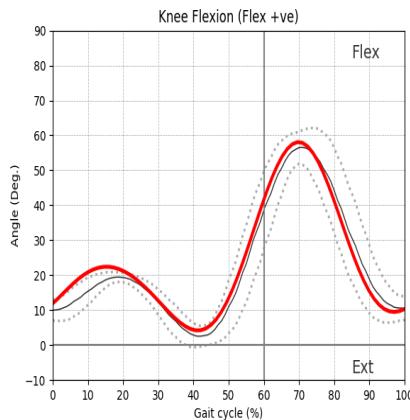
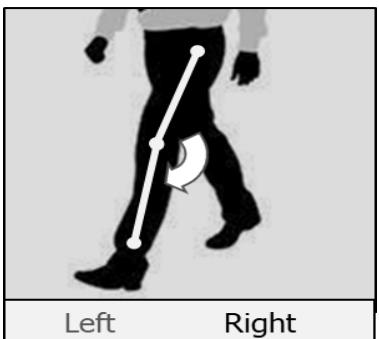


## SynerSense Gait Lab

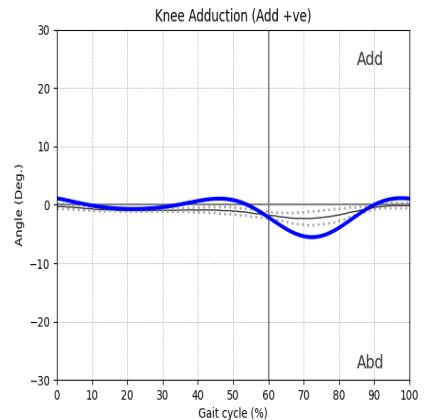
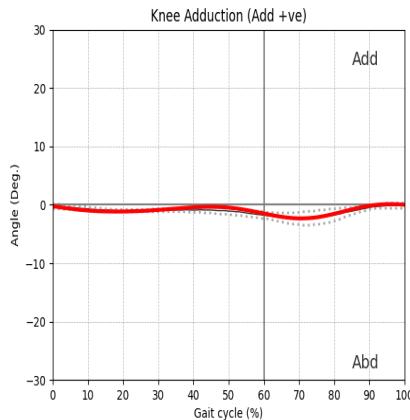
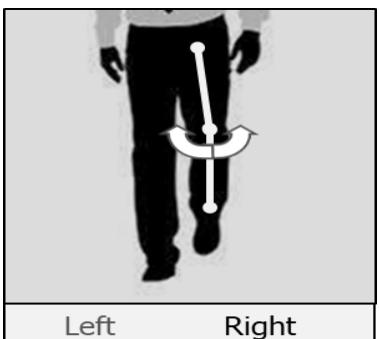
— Left — Right

### Kinematics - Knee Joint

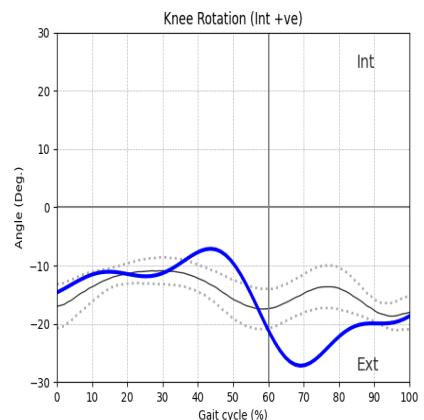
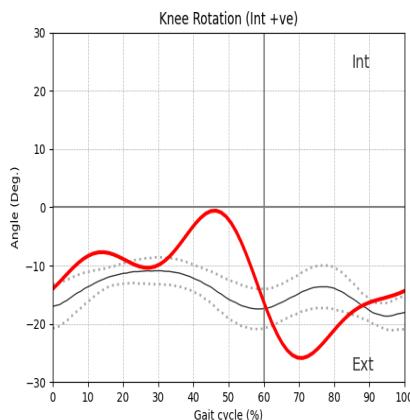
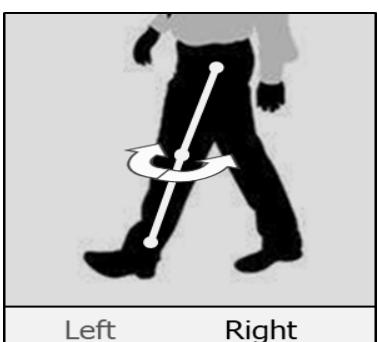
#### Knee Sagittal



#### Knee Frontal



#### Knee Transverse

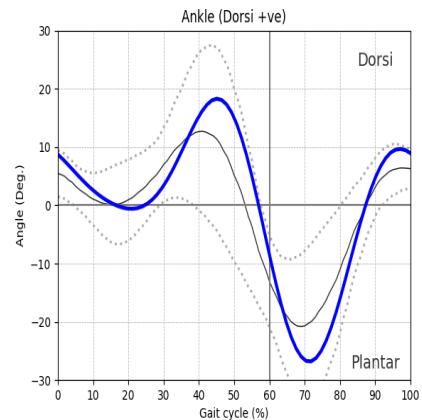
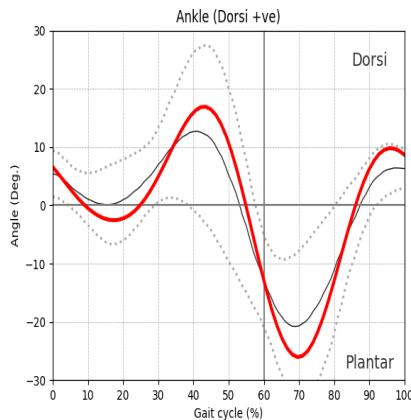
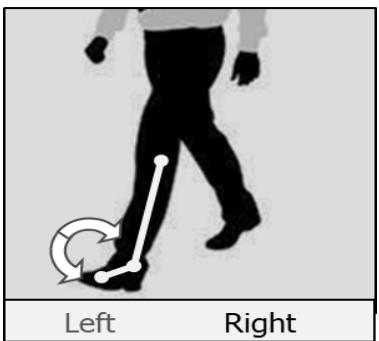


## SynerSense Gait Lab

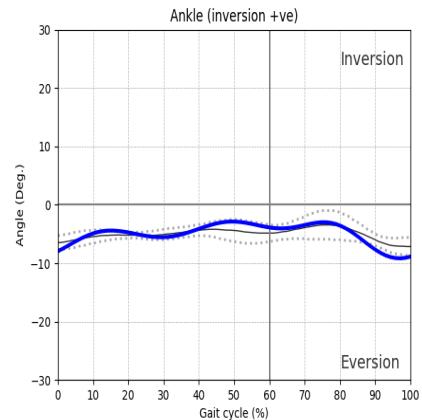
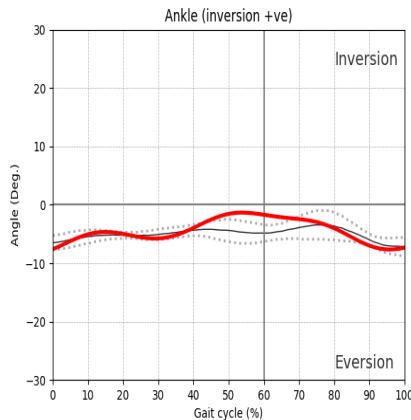
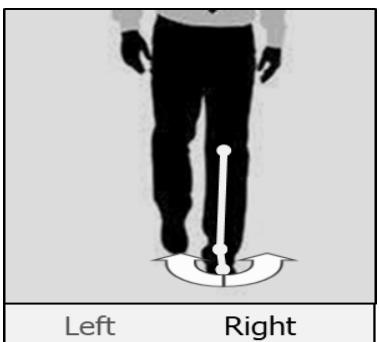
— Left — Right

### Kinematics - Ankle Joint

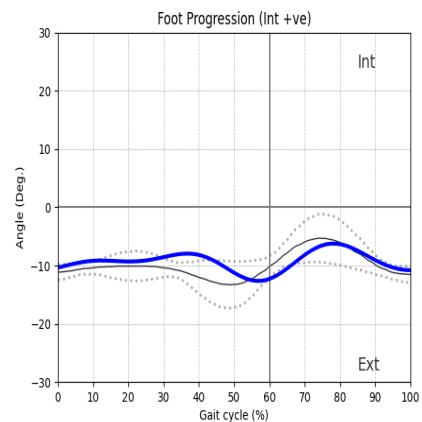
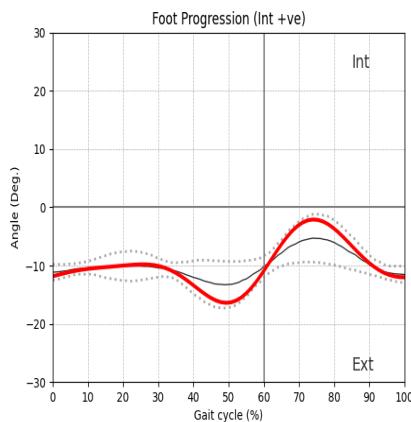
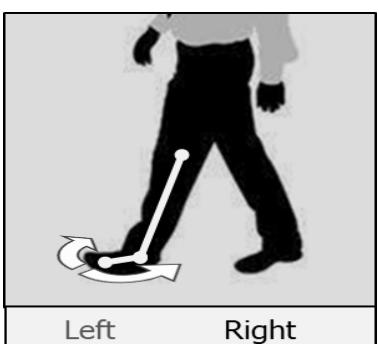
#### Ankle Sagittal



#### Ankle Frontal



#### Ankle Transverse

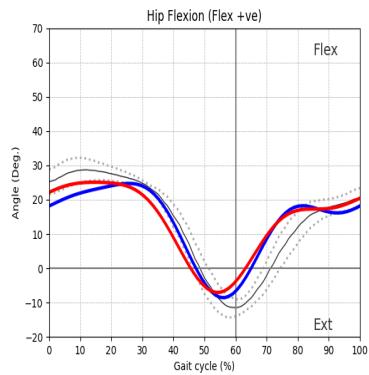


## SynerSense Gait Lab

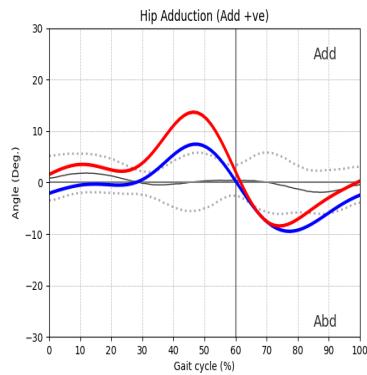
— Left — Right

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

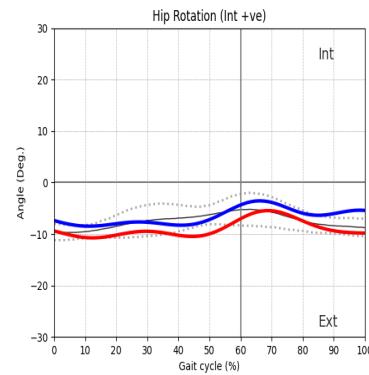
Sagittal



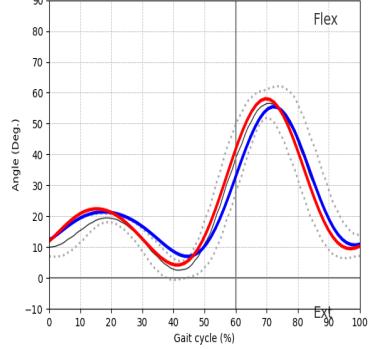
Frontal



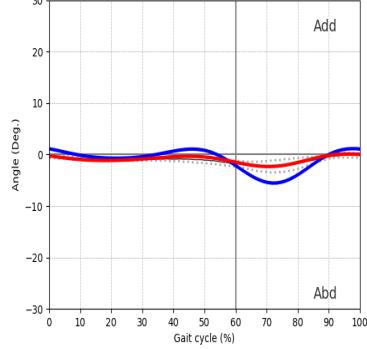
Transverse



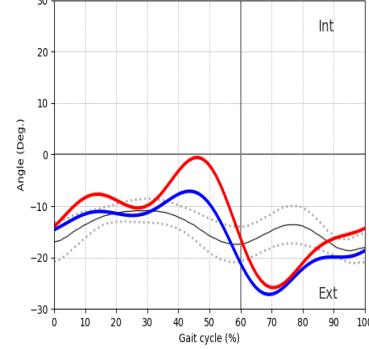
Knee Flexion (Flex +ve)



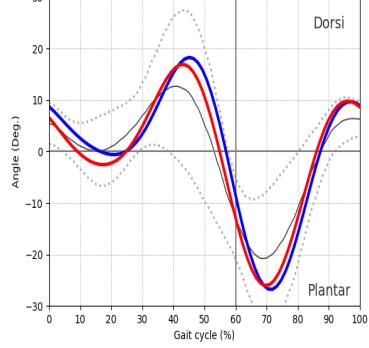
Knee Adduction (Add +ve)



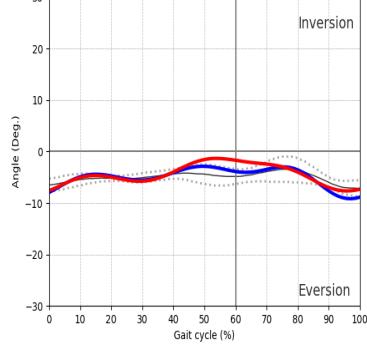
Knee Rotation (Int +ve)



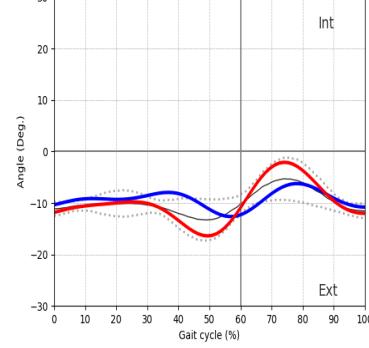
Ankle (Dorsi +ve)



Ankle (inversion +ve)



Foot Progression (Int +ve)



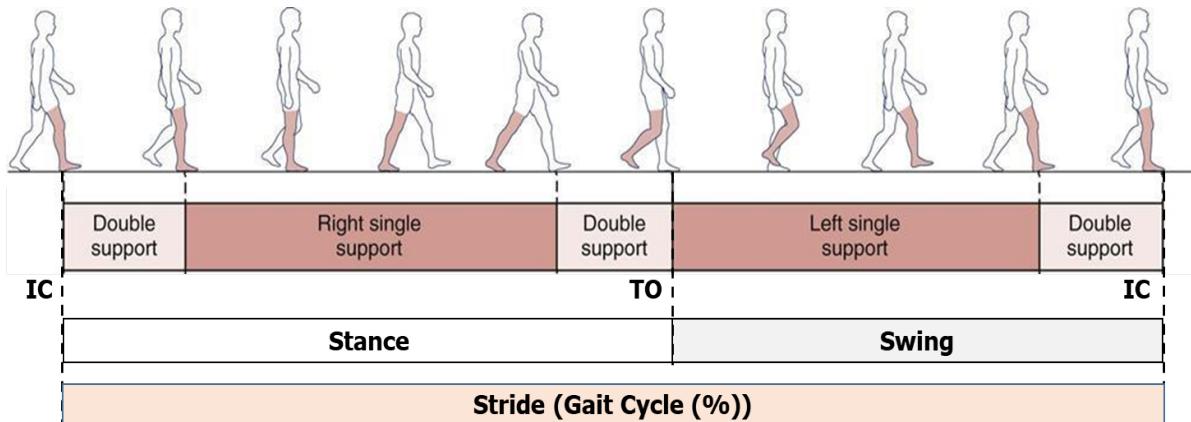
## SynerSense Gait Lab

### 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>		

## SynerSense Gait Lab

Findings

Opinion