GaitON by auptimo



Posture Analysis



Walking Gait analysis



Running Gait Analysis



Sitting Posture Analysis



Bike Fitting Analysis



Golf Swing Analysis

GaitON° is trusted by 500+ clinicians globally for gait & posture analysis

Is your center GaitON ready?

WORKFLOW

A 3 step process to complete a biomechanical assessment



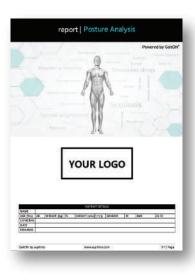
1. CAPTURE

Capture the patient's motion from multiple views using cameras.

2. ANALYZE

Analyse the motion using GaitON's inbuilt protocols.

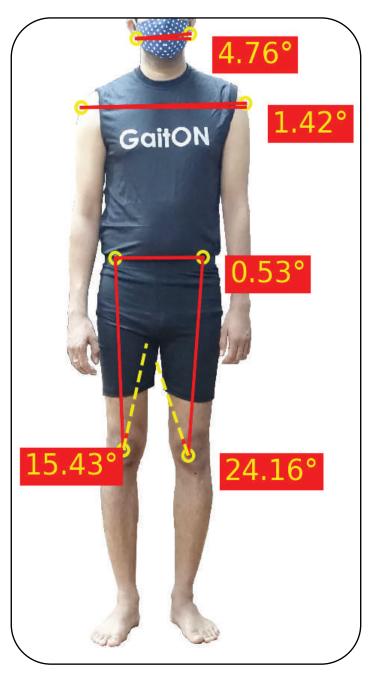




3. REPORT

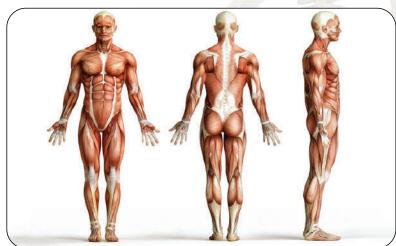
Export the analysis results to well organised and print ready reports.

POSTURE ANALYSIS



GaitON's posture analysis protocol identifies key postural deviations from multiple views & exports all data to a report.

VIEWS ANALYZED



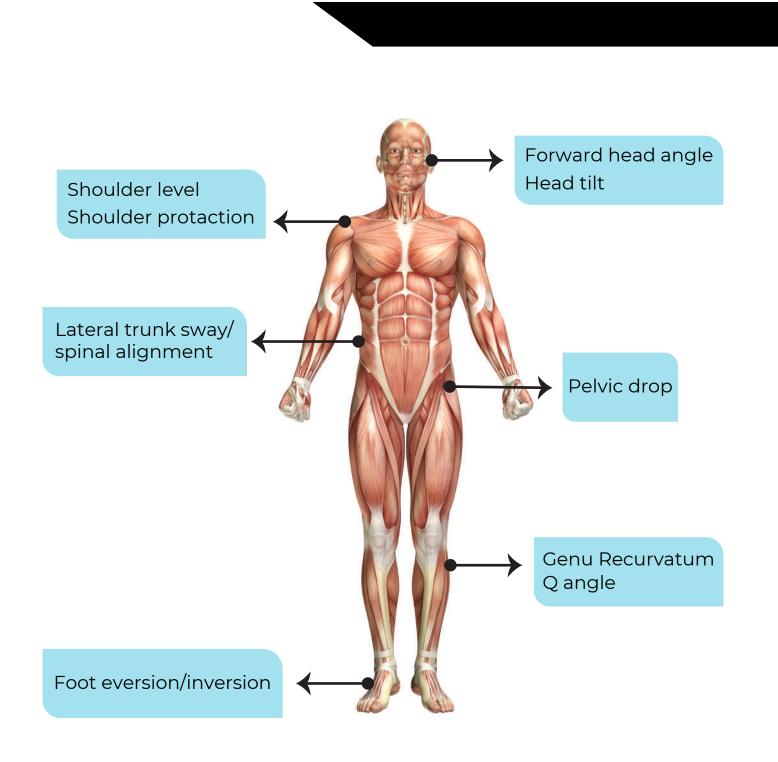
ANTERIOR. POSTERIOR. LATERAL

TIME PER ANALYSIS

5 MINUTES

KEY DATA MEASURED

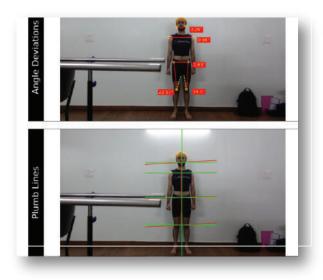
GaitON's posture analysis protocol analyses the upper & lower body posture of the patient from anterior, posterior & lateral views.



POSTURE REPORTS: KEY FEATURES

Inbuilt reference values for an accurate diagnosis.

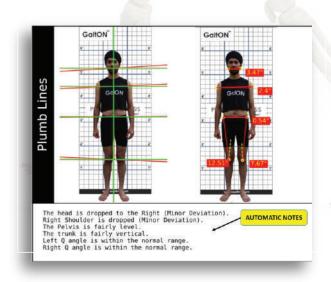
Comparison of left & right extremity posture.



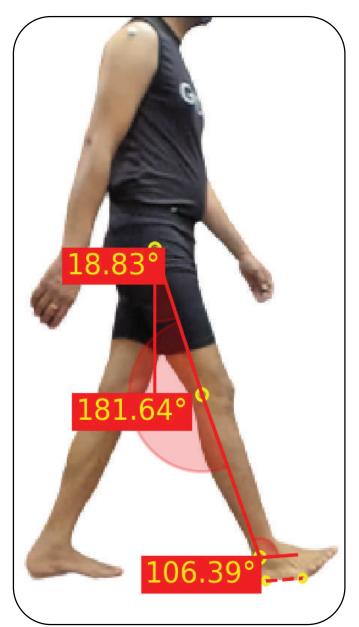
Representation of **postural deviations** through angles & plumb lines.

Automatic **documentation** of all postural deviations.

Pre & Post Assessment of posture after any surgical/rehab intervention.

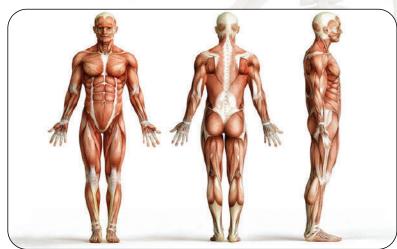


GAIT ANALYSIS



GaitON's gait analysis protocol identifies key walking deviations from multiple views & exports all data to a report.

VIEWS ANALYZED

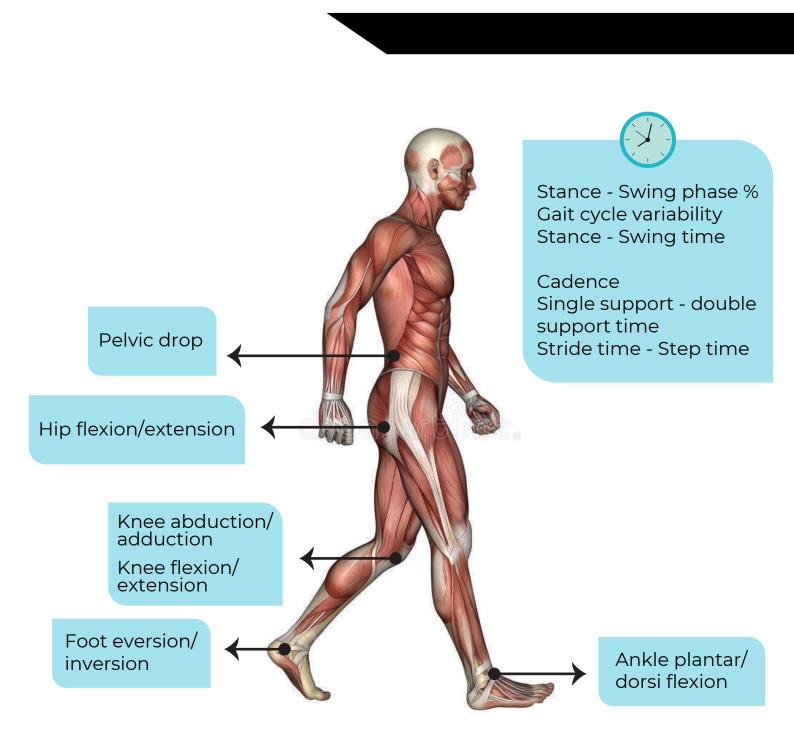


ANTERIOR. POSTERIOR. LATERAL

SURFACE
TREADMILL I WALKWAY

KEY DATA MEASURED

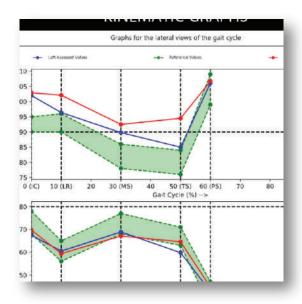
GaitON's gait analysis protocol analyses the pelvis, hip, knee, foot & ankle motion during the entire gait cycle



GAIT REPORTS: KEY FEATURES

A detailed report with reference values, highlighting all **abnormal gait patterns**.

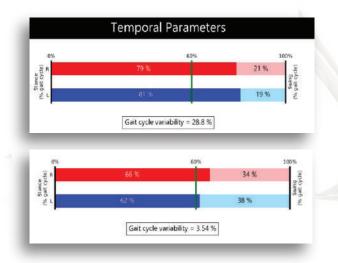
Comparison between **left & right** extremity gait.



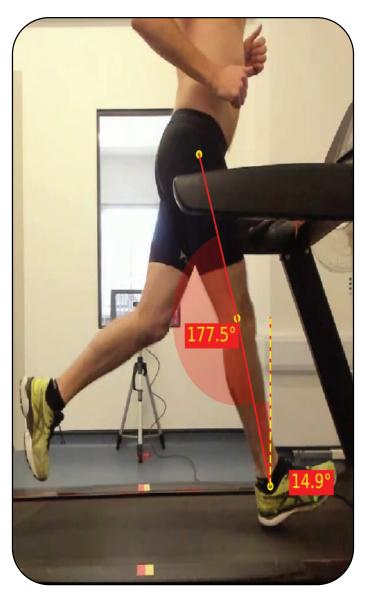
Accurate identification of **muscle imbalances** using kinematic graphs.

Monitor gait changes through **pre-post comparisons.**



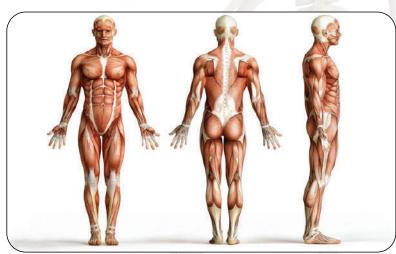


RUNNING ANALYSIS



GaitON's running analysis protocol is based on the directives of UW Health Sports Medicine Clinic, USA & detects any abnormal running gait patterns.

VIEWS ANALYZED

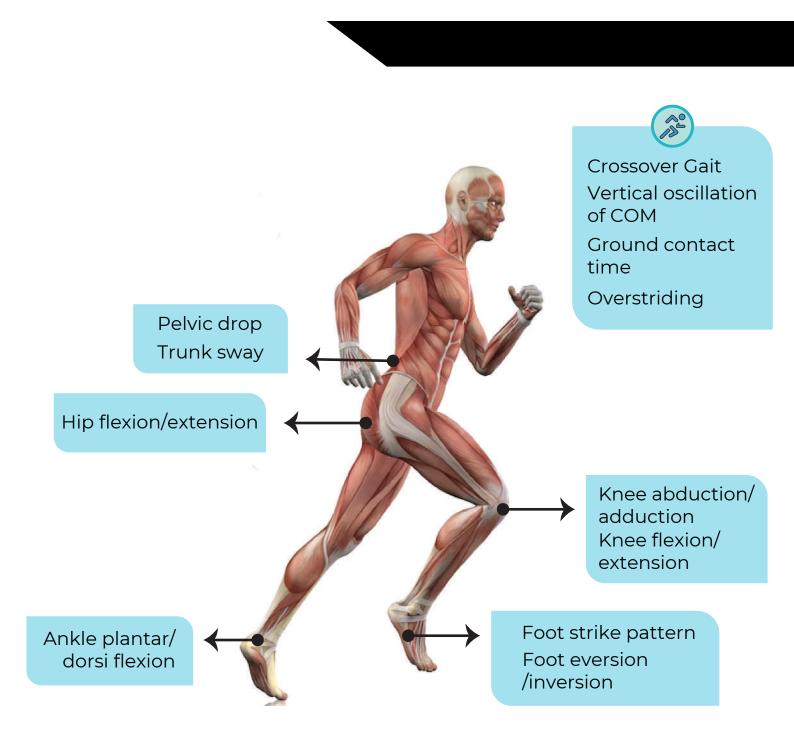


ANTERIOR. POSTERIOR. LATERAL

SURFACE
TREADMILL I RUNNING TRACK

KEY DATA MEASURED

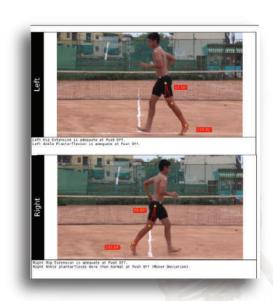
GaitON's running analysis protocol analyses the pelvis, hip, knee, foot & ankle motion during the entire gait cycle



RUNNING REPORTS: KEY FEATURES

A detailed report with reference values, highlighting all **abnormal gait patterns**.

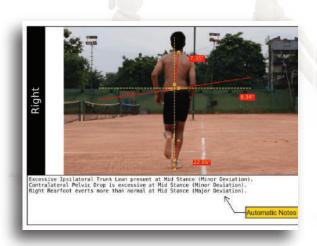
Comparison between **left & right** extremity gait.



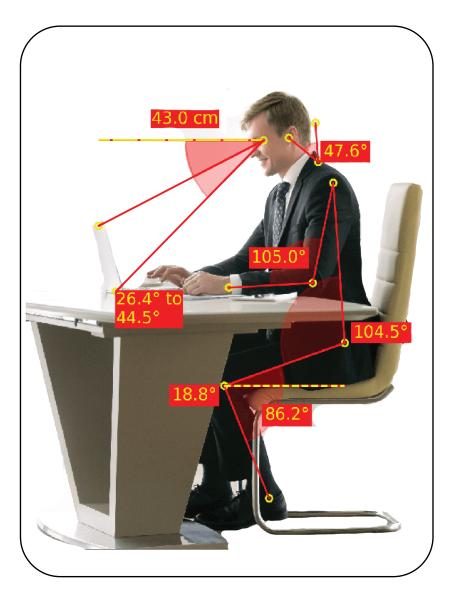


Monitor gait changes through pre-post comparisons.

Automatic documentation of all observations.



SITTING POSTURE ANALYSIS



GaitON's sitting posture analysis markerless protocol identifies key postural deviations in a few clicks & exports all data to a report.

VIEWS ANALYZED



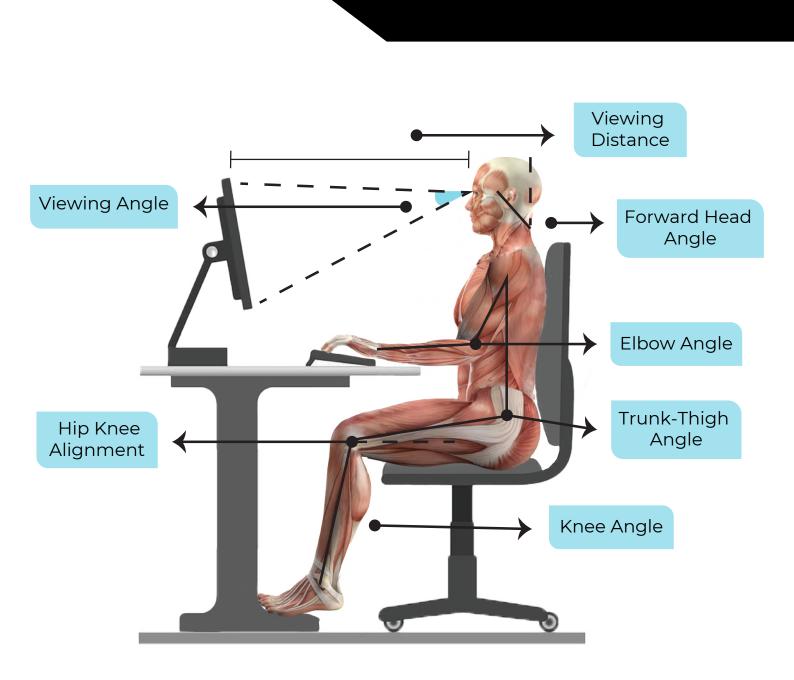
ANTERIOR. POSTERIOR. LATERAL

TIME PER ANALYSIS

5 MINUTES

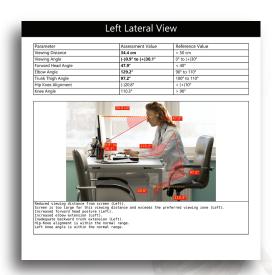
KEY DATA MEASURED

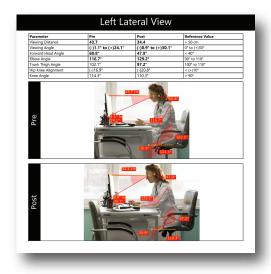
GaitON's sitting module analyses the complete sitting posture from left and right lateral views.



SITTING POSTURE REPORTS: KEY FEATURES

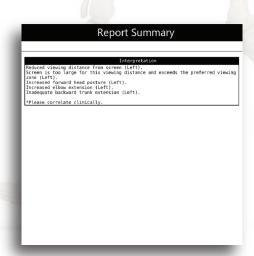
A detailed report highlighting **abnormal postural deviation** in table and angular form.





Pre-Post comparison of posture.

Automatic documentation of all observations in the report.



BIKE FITTING ANALYSIS

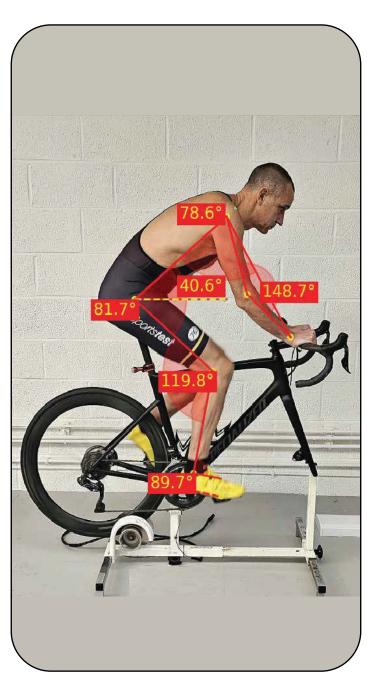


Image Credits: Stanley Sports Ltd.

GaitON® bike fitting software is used by 500+ clinicians globally for a detailed bike fit assessment. It helps in adjusting the bike as per the rider's body measurements, flexibility, riding goals, and any existing injuries.

VIEWS ANALYZED

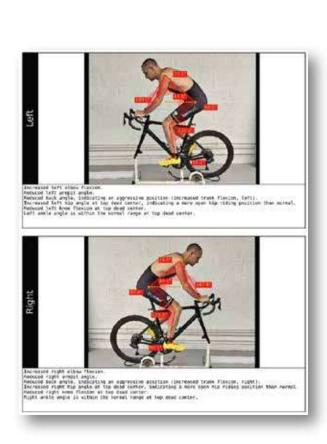


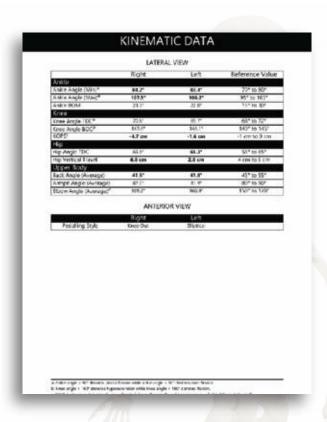
LATERAL AND ANTERIOR VIEW

POSITIONS
ROAD, MTB, TT, TRIATHLETE

BIKE FITTING REPORTS: KEY FEATURES

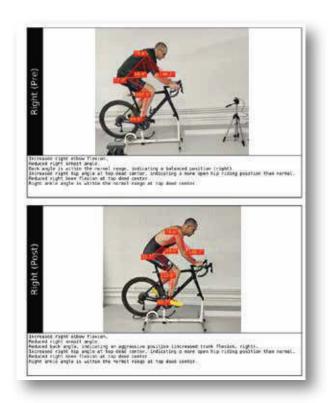
A detailed report with reference values and with different fit positions (Road, MTB, TT, Triathlete).





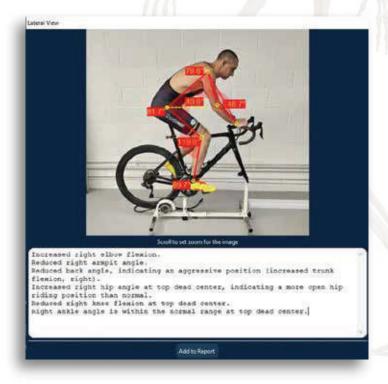
Comparison between **left** and right extremity riding positions.

BIKE FITTING REPORTS: KEY FEATURES



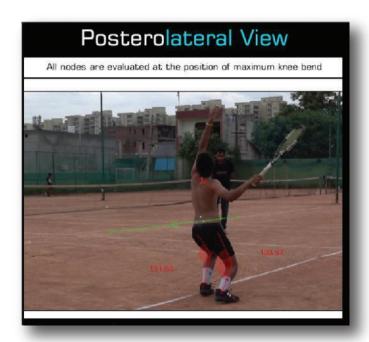
Easy comparison between different fit positions.

Automatic documentation of notes.



SPORTS SPECIFIC PROTOCOLS

TENNIS SERVE ANALYSIS



Assessment of serve biomechnics

	(0	VΕΙ	٧۶	IEW					
The following table giv during the tennis serv							ults pr	esen		
POSTERO LA	TERA	LVIE	W		ANTE	RIOR VI	EW			
Knee bend	Yes	4	No		Foot position	Yes	No	1		
Posterior Hip tilt	Yes	-	No	1			1			
Counter hip rotation	Yes	02	No	*						
Trunk hip Separation	Yes	1	No							
Shoulder Alignment	Yes	1	No							
	OBS	ERV	ATION	S						
Fault name	Common injuries				Common causes					
1. Foot position	1000000	100	load		Hip and/or trunk flexibility and strength					
2. Posterior hip tilt	Increased load on shoulder and trunk; Inability to push through increasing load on abdominals.				strength					
3. Counter hip	Increased load on				Hip and trunk flexion flexibility and					

Identification of musculoskeletal problems behind biomechanical faults

GOLF SWING ANALYSIS

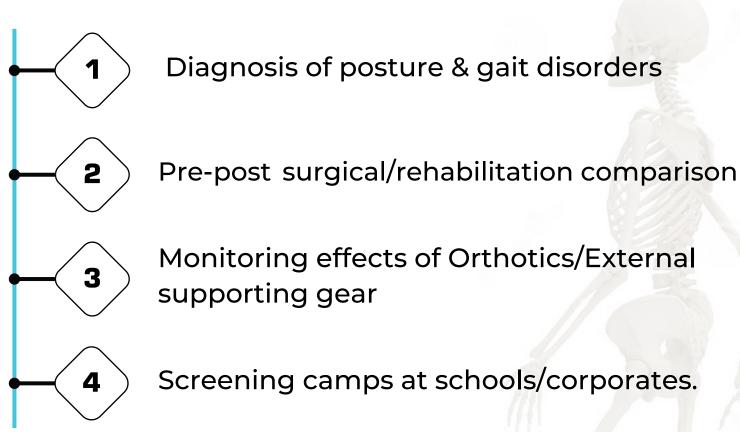


Assessment of serve biomechnics

			٥V	ER	VIEW					
uring the golf sw	ing alo	ng wi	th the	list	he various biomed of the probable ca	iuses.			/SBI	
Posture	Neutral			W	FACE ON /	Yes	IOR	No	7	
	3317831.001		- 177		Angle	1.000	51			
	S Posture				Slide	Yes	V	No		
	C Pos	ture	re		Sway	Yes		No	4	
Loss of Posture	Yes	9	No	~	Scooping	Yes	9 8	No	V	
Early Extension	Yes	1	No		Chicken Wing	Yes		No	1	
Over the Top	Yes		No	*						
Fault name	_	-	non in		-	mmon E	1000	5		
1. Early Extension	Low Back Pain				Poor squat mechanics Decreased lead hip internal rotation Poor thoracic rotation Inability to separate torso from hips Weak gluteals and abdominals					
2. Slide	Hip pain Medial knee pain Lateral apple pain				Decreased lead hip internal rotation Difficulty separating upper body				v	

Identification of musculoskeletal problems behind biomechanical faults

GaitON[®] is used by 500+ clinicians globally for:





TOP REFERENCES

GAIT ANALYSIS





Amrita hospital, Kochi/

Faridabad (India)

SETUP



2 Digital Cameras



Walkway



GaitON® Software

TOP REFERENCES

GAIT ANALYSIS





Triton Hospital, Delhi (India)

SETUP



4 Digital Cameras



Treadmill



GaitON® Software

REFERENCES









BSF

Safdarjung hospital









Hawai'i Pacific University

SRM University

Amrita Hospital

Belle Vue Clinic









Col(Dr) Rana K Chengappa Sports Medicine & Ortho Rehab

Perfect Bounce

Delhi Foot

Sporting Ethos

GaitON® by auptimo

For a free demo of GaitON, reach out to us at:

E: info@auptimo.com M: +91-8920-8398-62