

Installation / notice for use of the ROTAM

1 Connection of the ROTAM

Green light is ON

2 Connection of the PC to the ROTAM

3 Fill "Patient form" then click on SAVE

SAVE button

4 Fill in the ROTAM Test Preparation

In the menu
The green light flashed

5 Place the patient on the ROTAM

6 Position the LDA table accordingly

7 Place a mark on the inferior pole of the patella. Make sure the knee is centered.

8 Place the kneecap according to the mark

It is not required to tighten the cup at this step of the process. Placing it is enough.

9 Lift and push ROTAM boot against the foot

10 Attach straps around ankle and foot

11 Place the foam under the metatarsal bones

12 Enter the various details needed (knee tested, distance base-foot and internal/external rotation)

13 Tighten the kneecap

14 You can read the tightening force here

15 The cup must be horizontal !

16 Run tests by clicking on "Start" followed by "Yes".

Proceed to the ROTAM test

1 Be careful before testing !

Be careful with patients who underwent surgery.
ROTAM tests must not be painful !

2 You must do the following ROTAM tests

Perform 1 test at 3 N.m
Perform 3 tests at 5 N.m

3 Take care about the tightening force !

It musn't change a lot during ROTAM tests (± 10 N)

Tightening Force : 45

4 Run tests by clicking on "Start" followed by "Yes".

5 It musn't move !

The kneecap must stay horizontal during the test

6 Do the same on the other leg

Make sur you keep the same tightening while performing tests on both knees.
This will enable optimal result comparison.

Instructions for resolving connection problems

www.genourob.com
Maintenance service :

1 If emergency button is pressed

2 Unlock the emergency stop button

3 Unplug & re-connect the power supply

Wait 5 seconds before reconnecting

4 Click on RESET then CONNECT

The green light flashes

Resistance of the Anterior Ligament (ACL) : around 2000 N (448 lbs)

BUTLER D.L., NOYES F.R., GROOD E.S - Ligamentous restraints to anterior drawer in the human knee. J. BONE Jt Surg., 1980, 62, 259-270

« The maximum force on the ACL ligament is around 300N when you walk on a flat road... »

Nagura T, Tibiofemoral joint contact force in deep knee flexion and its consideration in knee osteoarthritis and joint replacement. J Appl Biomech. 2006;22:305-313.

