

## INJURIES



## THE CON-TREX

A performant testing tool, for rehabilitation and athletic training (isometric and isokinetic torque measurements).

## DIFFICULTIES

Studied movements :  
flexion / extension, lateral flexion  
Location of the rotation axis.  
Tightening of the head.  
Posture of the body.  
Different morphologies.



# DEVELOPMENT OF A CERVICAL STRENGTH EVALUATION DEVICE



FOR THE RUGBY PLAYER

## SUITABLE FOR THE CON-TREX MULTI JOINT ISOKINETIC SYSTEM



**Location of the rotation axis :**  
Intervertebral disc C7/T1  
Visualization with a laser pointer

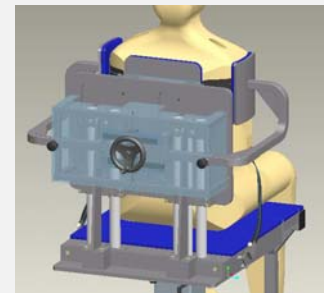
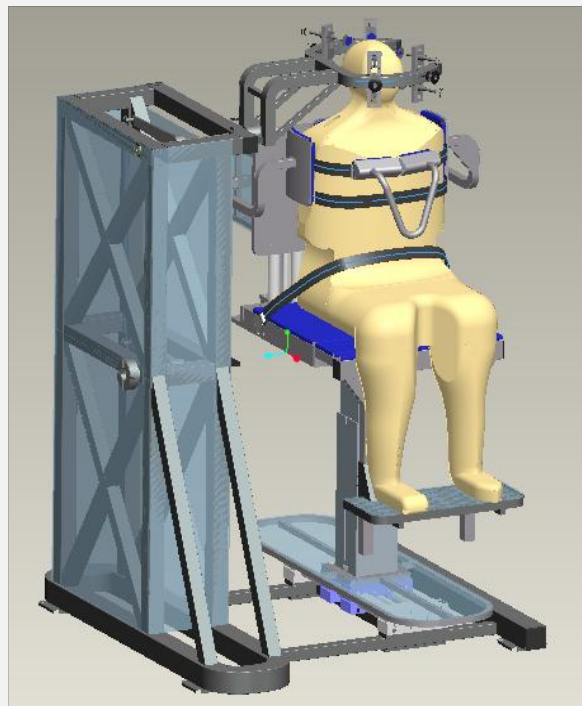


**Head system :**  
Rigid structure +  
4 adjustable modules  
**Compromise**  
deformation / weight

**Structure :**  
Receives the 2-axis  
system

**Center of gravity :**  
The closest to the  
column's axis.

**Change from**  
Flexion/Extension to  
lateral flexion.



**Seat settings:**  
Depth,  
Height,  
Seating depth,  
Footboard,  
Back height,  
Symmetrical shoulder pads.



