BILAN FONCTIONNEL DU GENOU

Nom et prénom :   TRAVOLTA JOHN

Date de naissance :   06/09/1994

Sexe :   M

Taille :   120cm

Poids :   20kg

Côté lésé :   Gauche

Type de lésion :   LA CHIRURGIE D'ALEMBERT DE DOUX JESUS MARIE JOSEPH LAURIANNE LE MAIRE LE BEAU

Date du rapport : 17/09/2024
Date du test numero T1 : 3 mois
Date du test numero T2 : 6 mois

Legende tableau | Bon | Moyen | Insuffisant

Amplitudes articulaires	Membre sain	Membre lésé T1	Membre lésé T2
Flexion (°)	90	45	55 (↑10.0°)
Extension (°)	180	150	155 (↑5.0°)

	T1	T2
Test d'accroupissement	Genant avec EVA < 2/10	Bon avec EVA = 0

Périmetres	Membre sain T1	Membre sain T2	Membre lésé T1	Membre lésé T2
Mollet (cm)	45	56.8 (↑11.8cm)	31	33.5 (↑2.5cm)
Sommet rotule +10(cm)	60	65.8 (↑5.8cm)	45	45
Sommet rotule +20(cm)	70.5	80.8 (↑10.3cm)	55	45.8 (↓-9.2cm)

Ratio Ischio-jambiers / Quadriceps	Membre sain T1	Membre lésé T1	Membre sain T2	Membre lésé T2	Asymétrie T2
FMax Ischios (N.kg-1)	65	40	70 (↑8%)	45 (↑13%)	-36%
FMax Quadriceps (N.kg-1)	30	15	40 (↑33%)	20 (↑33%)	-50%
Ratio	2.17	2.67	1.75	2.25	

Ratio Adducteurs / Abducteurs	Membre sain T1	Membre lésé T1	Membre sain T2	Membre lésé T2	Asymétrie T2
FMax Adducteurs (N.kg-1)	60	50	62 (↑3%)	52 (↑4%)	-16%
FMax Abducteurs (N.kg-1)	39	32	40 (↑3%)	34 (↑6%)	-15%
Ratio	1.54	1.56	1.55	1.53	

	T1	T2
Test ACL-RSI	60/100	30/100

Test Squat Jump Bipodal	Hauteur de saut (cm)	FMax (N.kg-1)	Pmax (W.kg-1)	RFDMax (N.s)
T1	50.4	60	20	60
T2	60.9 (↑10.5cm)	78 (↑30%)	45 (↑125%)	72 (↑20%)

Test CMJ Bipodal	Hauteur de saut (cm)	FMax (N.kg-1)	PMax (W.kg-1)	RFD Deceleration Excentrique (N.s-1)	Temps de mouvement (ms)	RSI Modifie
T1	60.8	50	50	600	500	1.22
T2	61.7 (↑0.9cm)	64 (↑28%)	54 (↑8%)	607 (↑1%)	650 (↑30%)	0.95

Test DropJump Bipodal	Hauteur de saut (cm)	FMax (N.kg-1)	RFDMax(N.s)	Temps de vol (ms)	Temps de contact (ms)	RSI
T1	60	50	50	500	500	1.00
T2	100.5 (↑40.5cm)	56 (↑12%)	64 (↑28%)	580 (↑16%)	660 (↑32%)	0.88

Test CMJ Unipodal	Membre sain T1	Membre lésé T1	Membre sain T2	Membre lésé T2	Asymétrie T2
Hauteur de saut (cm)	100.2	20	405.8 (↑305.6cm)	60 (↑40cm)	-85%
FMax (N.kg-1)	60	20	67 (↑12%)	30 (↑50%)	-55%
PMax (W.kg-1)	67	47	74 (↑10%)	57 (↑21%)	-23%

Test DropJump Unipodal	Membre sain T1	Membre lésé T1	Membre sain T2	Membre lésé T2	Asymétrie T2
Hauteur de saut (cm)	50.7	40.8	60.8 (↑10.1cm)	42.5 (↑1.7cm)	-30%
FMax (N.kg-1)	85	45	94 (↑11%)	65 (↑44%)	-31%
RFDMax (N.s)	90	44	92 (↑2%)	11 (↓-75%)	-88%
Temps de contact (ms)	500	1000	507 (↑1%)	1100 (↑10%)	117%

KStart T1	50/100	Reprise de sport seulement dans l'axe
KStart T2	67/100	Reprise de sport multidirectionnel, mais sans contacts

Interprétation du kinésithérapeute :

f gr

Axes à améliorer :

- Renforcement concentrique quadriceps

- Renforcement des ischios jambiers

German MORENO

29 years old, French
gmoreno@orange.fr
+4792929616
Living in Oslo, NORWAY
Norwegian ID number & driving license B

EDUCATION

Master in Robotics and Interactive Systems
UPSSITECH Engineering School - COMPUTER SCIENCE, AUTOMATION & CONTROL SCIENCES Institute - Toulouse, FRANCE

Semester abroad in Robotics
Pontifical Catholic University of Chile (3rd university of South America) - CHILE

Bachelor in Computer Science
University Toulouse III, FRANCE

SPOKEN LANGUAGES

English - Fluent ★★★★☆

French - Mother tongue ★★★★★

Spanish - Fluent ★★★★☆

Norwegian - Basic ★★☆☆☆

PROGRAMMING LANGUAGES

- C & C++
- Java
- MATLAB
- Python

TOOLS

- Qt Framework
- Git
- SQLyog
- ROS
- Linux
- mySQL

INTERESTS

Judo | Hike & Moutaineering | Travel | Board games

ROBOTIC ENGINEER

💼 PROFESSIONAL EXPERIENCE

▷ **OCT 2018 - JAN 2023**

Engineer C++

● **4Axes - Healthcare data flow concentrator for national private and public hospitals and health mutuals - FRANCE**

Software Developer (C++) - Conception and continuous improvement of a file processing chain
- Create and participate in the information system improvements → software architect
- Develop applicative tool (frontend & backend) with OCR to allow users to process a huge amount of PDF files (~15k/day), aggregate data and push it into database
- Increase automatic treatment and reduce the user manual treatment
- Develop monitoring, statistics and tracking tool to supervise and manage daily flow activity ---> Key Performance Indicators (KPI) implementation
- Develop directory to automate client and partners flow configuration

C++, Framework Qt, Database SQL (MySQL), MariaDB, Omnipage Ultimate

● **Technical Manager** for external and internal relations on IT systems - intern support for the software products
- IT customer (hospitals) relationship management
- IT partner (healthcare mutuals) relationship management
- Multi-service tasking (commercial, front office, back office, formation)

Time management, User Documentation, teamwork

● **System Administrator**
- Manage VM hosted on local servers
- Software integration and monitoring
- Server migrations management
- IT Help Desk support worker

Windows, Batch, VMWare, Core FTP

▷ **MAR 2018 - AUG 2018**

Robotic Trainee

Maquintel Robotics Services - create robotics equipment to increase reliability and sustainibilty in mining industry - CHILE

IT referent, data analyst and mining inspector
- Software development and integration
- Improve data analysis given by robotics supplies
- Robotics inspections management into the mining industry
- Represent the company at trade fairs and mining expositions

QT Creator, ROS, MATLAB, Mining environment, Robotic guidance, 3D simulation and modelling, image processing

⚛ OUTSTANDING EXPERIENCES

✓ Gap year in Colombia - research into the origins (feb 2023 - may 2024)

✓ Judo, black belt and national high level competitor
26 years of practice - Toulouse National Team