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The challenges ahead

- Changing the Health care environment
- Creation of a global budget for each pathology – Network
- Correlation with « a medecine à la carte »



additional costs



Currently

To treat a pathology X

- Multiples unnecessary exams
- Multiples medical opinions
- Delaying in the right care
- Delay in the active functional return (job &sport)
- Huge costs in terms of health care and for society

OUR TEAM CREW







Y. Berger



A. Deltour



K. Lagae



J. De Muylder





Definition

- Knee surgeons association with the same philosophy
- Developing a systematic work methodology –
 a Reference Entity
- To optimize patient care

Standardization of care

To Create healthcare pathways



Actors

- Direction
- Anesthiologist
- Rheuma/ Physical doctors
- Care units
- Administrative support

- Implants
- Revalidation







- M. Vancabeke
- K. Lagae
- Y. Berger
- J. De Muylder
- A. Deltour











- Kiné-Podo
- Manager Trainer
- Patients Athlete







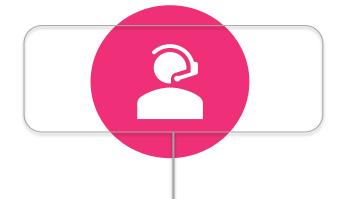
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GP -SD

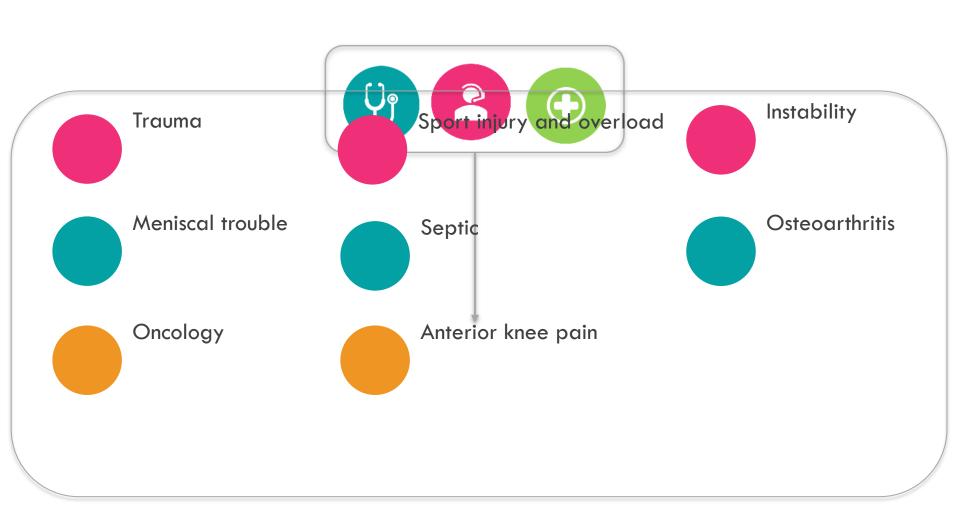


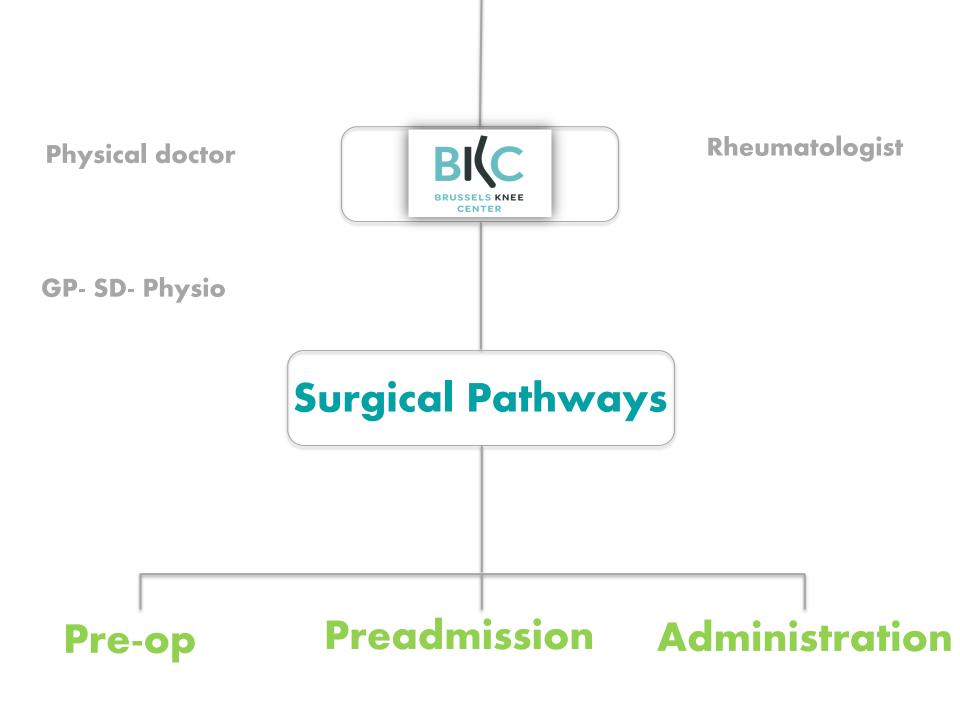
Call Center Secrétériat



Emergency







SURGICAL PATHWAYS: INDICATIONS



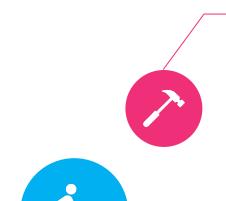
RECONSTRUCTION

- ACL / PCL / PLC / MCL / LAL
- MPFL \pm lateral release \pm osteotomy TTA
- Extensor apparatus
- Graft / Plasty



MENISCUS

- Menisectomy
- Suture
- Meniscal graft



Traumatology

- Reduction
- ORIF



- Microfracture ,OAT , MACI
- OTHV/
- Arthrosurface, UNI, PFJ, Bicomp, TKP

Secreteriat / Admission / Hospitalisation



- Pharmacy
- Anesthetist
- Pain
- Operating nurses
- Sterile processing dep
- Operating room

Surgery

- Revalidation
- At home

4

Exit

Care units



- Technic services
- Catering
- Social services
- Nurses

Post surgery



- Avis
- Anesthetist
- Biology
- Radiology
- Physiotherapist
- Physio doctors



Details

- Management protocol development for each Pathology
- Surgical decision protocol development
- Protocol and data sheets for hospital care
- Pre and post operative physiotherapy protocol
- Follow-up protocol
- Informative Folders



Benefits of Systematization

- Decrease in errors
- Increase efficiency
- Improve Quality of care
- Minimization of costs for Healthcare system and Hospital



« NO STANDARDIZATION WITHOUT COMMUNICATION »

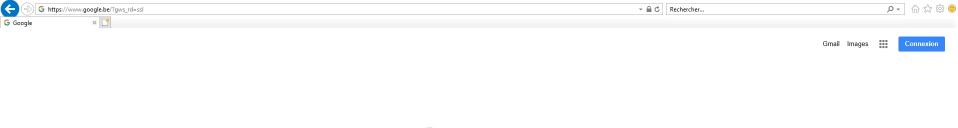
Development of a website: www.bkc.be



WEBSITE



- \bigcirc \times





Recherche Google

J'ai de la chance

Google disponible en : Nederlands Deutsch English

4



PERFORMANCE





Team assets

- Hyperspecialized experienced team
 - 1. Theoretically 2. Clinically 3. Technically
- Mastery of new and minimally invasive surgical techniques
- Influenced by the Guidelines of the literature
- Using the best implant to treat the defined pathology

« Tailored Treatment »



« It is the treatment that adapts to the pathology and not the opposite »



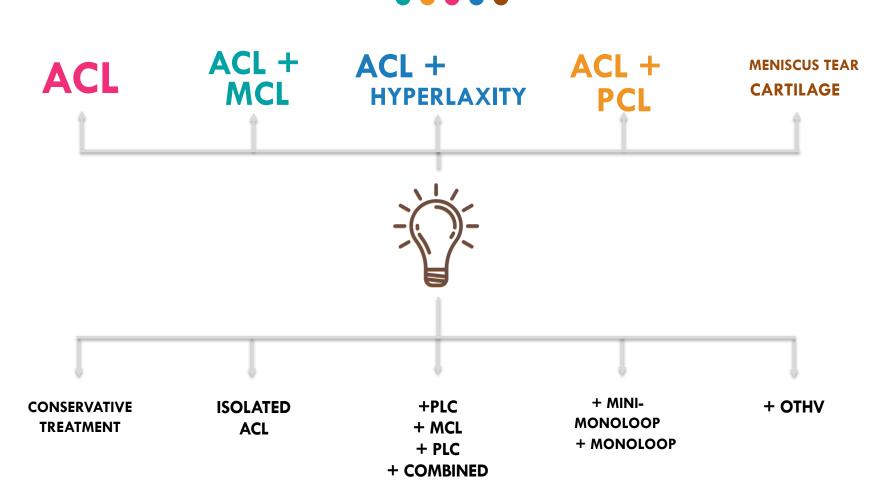
« Not all the ACL injuries are an isolated rupture of the ACL »







ANTERIOR CRUCIATE LIGAMENT



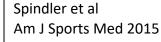


Etiologies of recurrence: **6**% multifactorial

Technical errors (70%)

Biological failure

• New traumatic injury (25%):





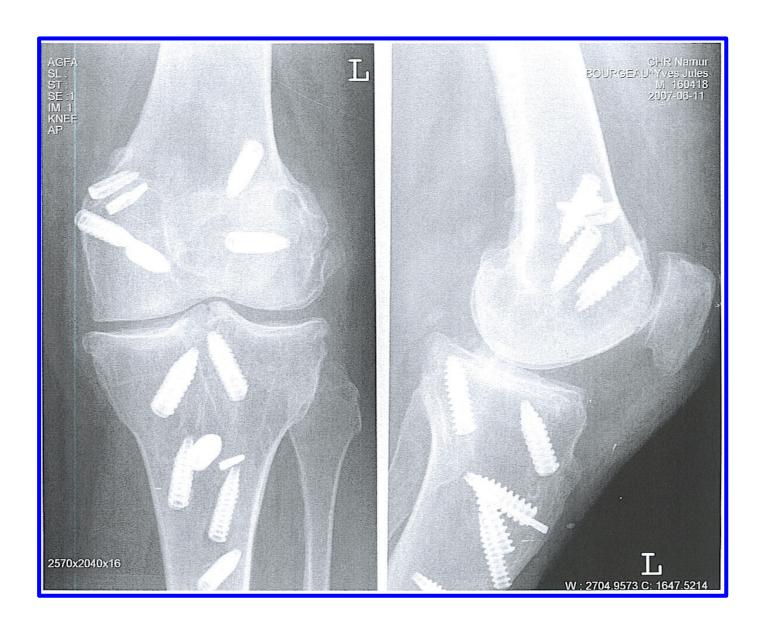


Technical errors

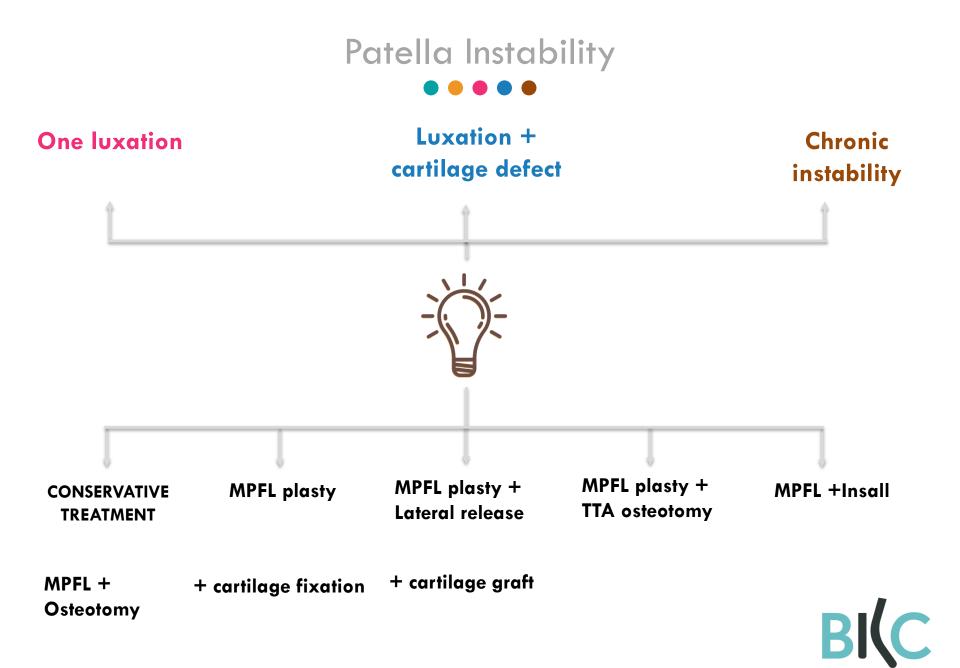
- 1. Femoral >> Tibial tunnels malposition
- 1. Unsatisfactory graft fixation
- 1. Undiagnosed or untreated ligament instability
- 1. Uncorrected lower limb malalignement (tibial post slope or valgus or varus knee)



« One shot Good shot »







CENTER

Osteoarthritis management



Treatment

Symptom relief

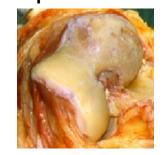
Regeneration







Joint revision Joint replacement





Microfracture

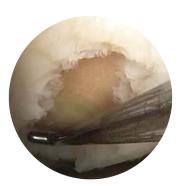
Debridement

HA-injections

Pain killers & Nutraceuticals

Adapt lifestyle







Evolving treatment options





























Using latest generation implant









peroperative 3D Printing navigation-robots more acute surgery More reproducibility less human errors

Robots



Mini invasive procedure: Sub-/midvastus approach







Anesthesiologist protocol

Intraarticular Knee Block:

Ropivacaine (Naropin) 200mg Clonidine (Catapressan) 0,15mg Epinephrine (Adrénaline) 0,5mg



Adductor block











Goals

- Better quality
- Less risk of complications and failure
- A rapid and functional recovery
- Better index of patient satisfaction



Quick and functional recovery



Quality



Quality

Standardization

Performance

Logistic support : Delta

Quality assessment



Delta: New generation Hospital



Importance of a **Objective Quality**



500 reconstructions/year 400 replacements/year

Data base: preop and postop data Subjective and Objective data

Support IT



Support IT

Data collection by: Lynxcare

MoveUP



IT – Move UP

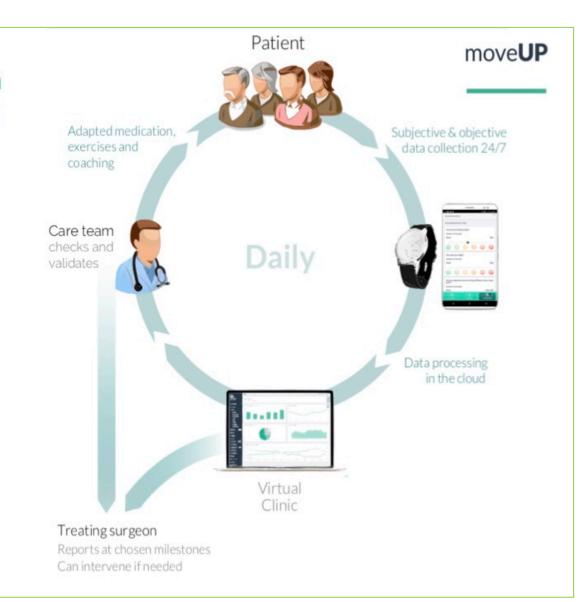
moveUP is a digital solution specialised in orthopaedics

24/7 monitoring on clinical & functional progress of patients

Automated collection of pre & post PROMs

Possibility to immediately interact when problem occurs





IT - Move UP

moveUP

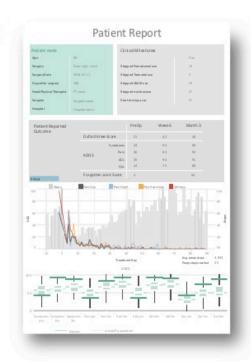
moveUP provides insights and control, enabling lower variability and better outcome

Insights & control

- ✓ Prevention of under/overtraining
- √ Wounds, hematoma, medication are checked
- ✓ ROM evolution per phase is monitored

High patient engagement

- ✓ Patient satisfaction of 92%
- √ Adherence of 85%
- ✓ Net promotor score of 70%



Significant reductions in ✓ Readmission rate

- ✓ Unplanned consultations
- ✓ Chronic post surgical pain



Validated by Belgian government

Advantages

Objective questioning of our work

Modify the protocoles to be more efficient

Pro and retrospective studies



Formation

Congres

Cadaver course

Fellow-ship





Conclusion



- a new Concept
- Reference Center
- HealthCare pathways
- High level Tailored treatment
- Continue evaluation of the quality



Thank you