



Clinical criteria for the choice of osteotomy



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ALRM


The patient is not an “X- Ray”
The first step of the patient analysis will be clinical
But also we have to “position” him in is function envelope



1 Clinic’s Steps

Patient in the waiting room

How the patient is sitting in the waiting room




Angle of flexion of his knee
 painful
 limited motion mechanical
 How is back attitude

Clinic’s Steps

1 Waiting room

Rising from the chair



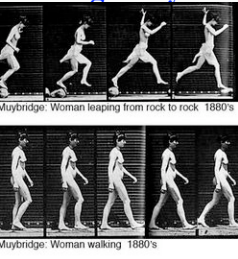
Functional mobility

Normal
 With help
 Quickly – slowly
 Symmetrical – asymmetrical

Clinic’s Steps

1 Waiting room

Walking into your office



Normal
 Limping
 With or without crutches
 Symmetrical – asymmetrical

Clinic’s Steps

2 In office

Anamnesis
Level of activities
Who is your patient !!!!



Clinic’s Steps

2 In office

What are your patient expectations !!!!




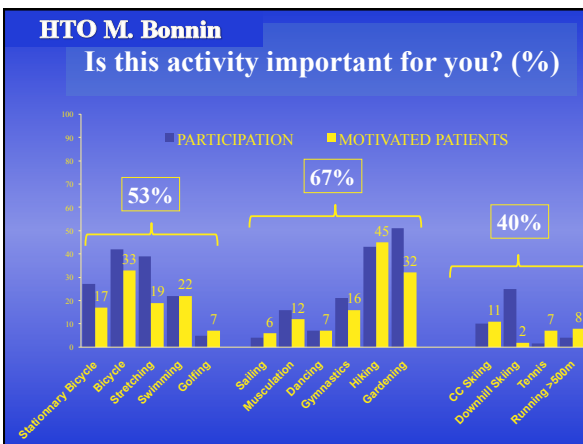
Clinic's Steps

HTO: SPORT ACTIVITY

☞ Main pronostic factor= preop level

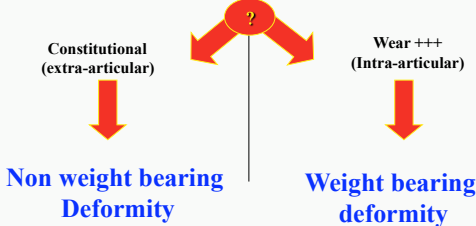
Tegner Score	préop	FU
<4	3,2	2,8
>4	6,5	5,9

Michel Bonnin 2008
Sport and arthritis

3 Clinical exam

Axial deformity analysis



Constitutional (extra-articular) → Non weight bearing Deformity


Wear +++ (Intra-articular) → Weight bearing deformity

Constitutional + Wear → ?

Clinic's Steps

3 Clinical exam

Axial deformity analysis Weight bearing



- Asymmetrical deformity
- Walking Varus thrust

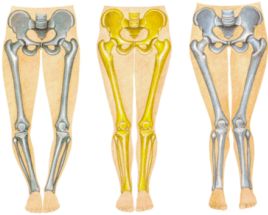
Constitutional + Wear



Clinic's Steps

3 Clinical exam

Axial deformity Non Weight bearing



symmetrical deformity → Constitutional deformity

Better results in cases of constitutional deformities

Clinic's Steps

3 Clinical exam

Clinic's Steps Sagittal deformity *Non Weight bearing*

- Flexum - Recurvatum




Better results in cases of good motion

3 Clinical exam

Clinic's Steps Ligament evaluation

- ACL - PCL



Sagittal evaluation "Tibial slope"

? What for "clinical" ?

Clinic's Steps GIVES "some first" CONTRA INDICATION

- No active patient
- Low level of activity
- Elderly – over weight
- No constitutional deformity
- Poor motion
- Ligament deficiency
- ...

? What for "clinical" ?

Clinic's Steps Type of osteotomy ?

We need Philippe Neyret and X-Ray analysis

- Femoral
- Tibial
- ... edge
- ... slope in ACL o
- ...

