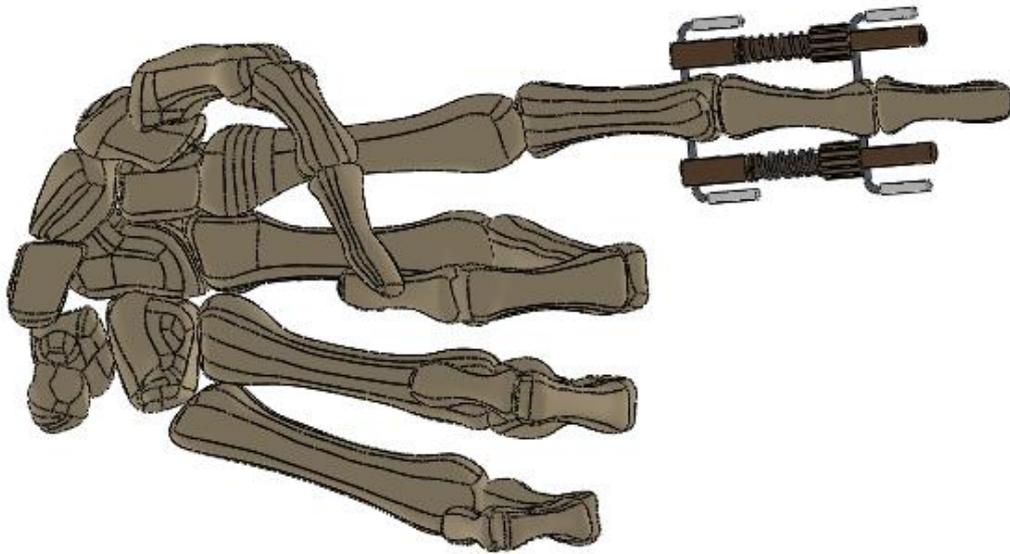


# Gex-Finger

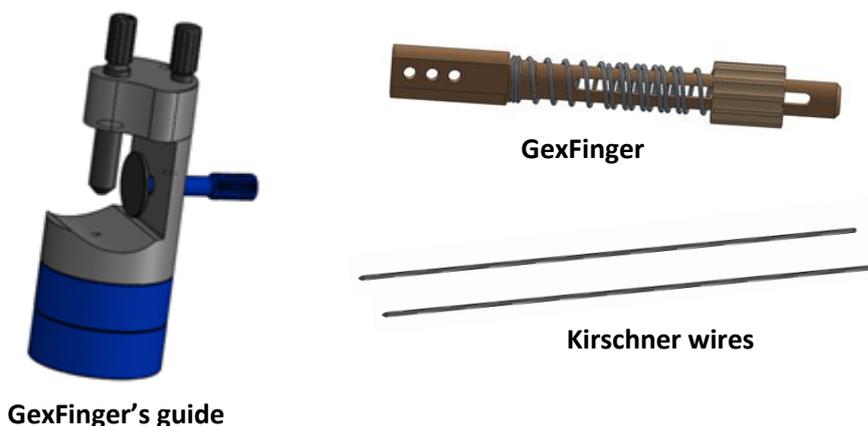


**Surgical Technique Indice B**  
(24/02/2016)

### I- Presentation

Gex-Finger is used to reduce unstable fractures-dislocations of the PIP (proximal interphalangeal) joint and DIP (distal interphalangeal) joint.

The Gex-Finger Kit is composed of a Gex-Finger's guide, Kirschner wires and two Gex-Finger.

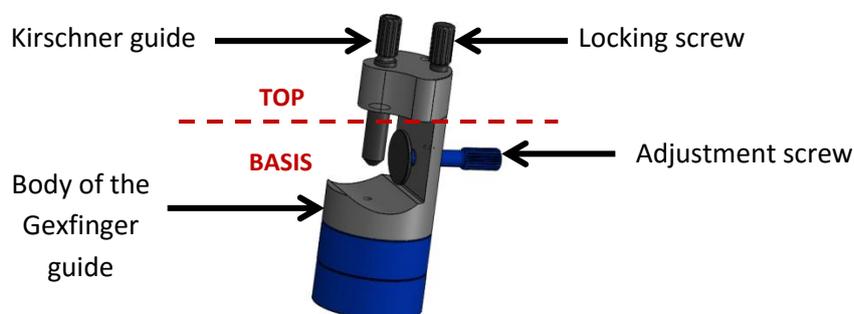


#### Component details:

- Gex-Finger details



- Gex-Finger's guide details



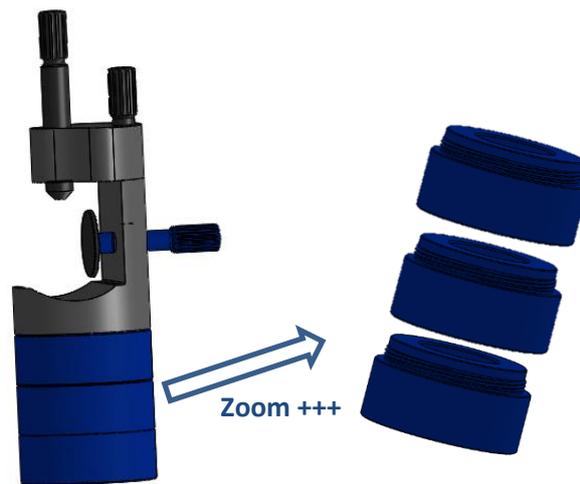
To properly use Gex-Finger, you have to respect the following surgical technique.

## II- Surgical Technique

### Step1: Installation of the finger

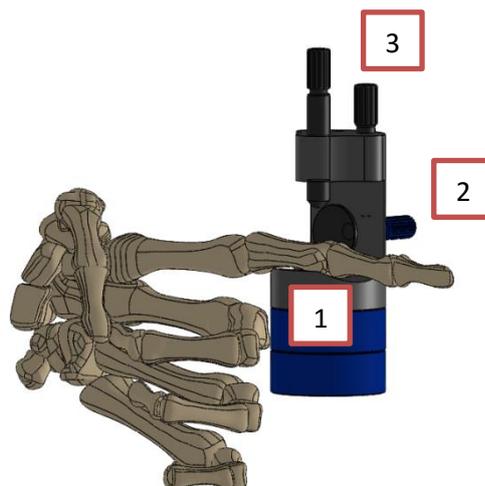
Position the patient hand on the lateral side for the surgical intervention.

Adjust the Gex-Finger's guide height using the removable blue blocks (you can use 0 to 3 block(s)).



ATTENTION: the blue blocks are screwable.

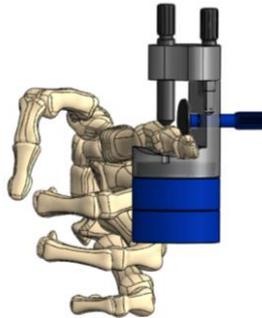
- Put the finger on the cylinder bottom (1)
- Position the operated finger in the Gex-Finger's guide using the adjustment screw (2)
- Lock the adjustment screw with the locking screw (3)



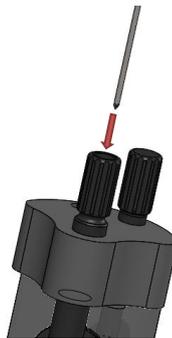
### Step 2: Proximal Kirschner wires implantation

Use the Gex-Finger's guide to implant the Kirschner wire:

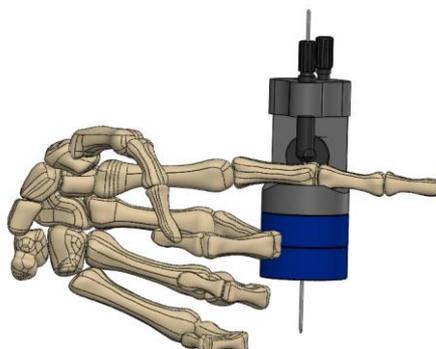
- Screw the Kirschner guide until it is in contact with finger.



- Insert the Kirschner wire inside the Kirschner guide

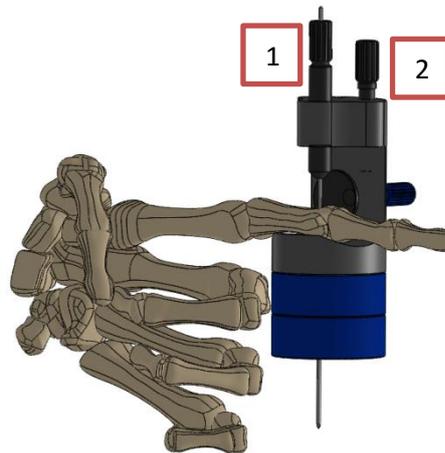


- Screw the proximal Kirschner wire until it is correctly positioned

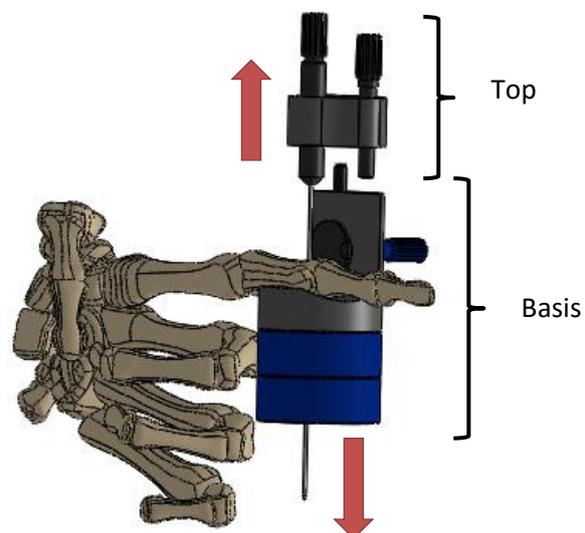


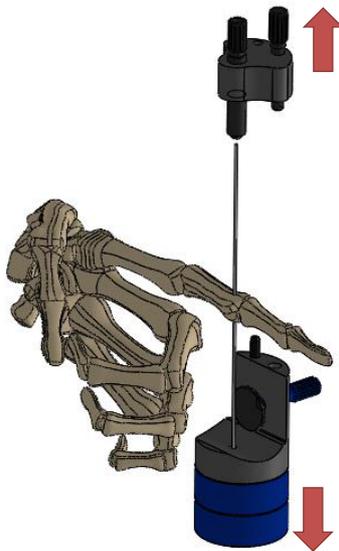
### Step 3: Gex-Figer's guide disassembling

- Unscrew the Kirschner guide a little bit (1)
- Unscrew the locking screw to release the adjustable screw (2)



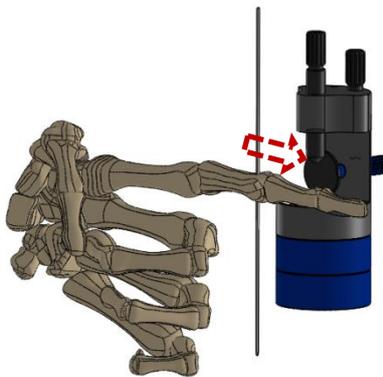
- Separate into two parts (top and basis) the body of the Gex-Finger's guide
- Release the finger and the Kirschner wire from the Gex-Finger guide (slide the two parts along the wire)





#### Step 4: Distal Kirschner wires implantation

- Reassemble the two part of the Gex-Finger guide.
- Move the finger to implant the distal wire



- Apply the protocol above described (Step 2 and 3)

### **Step 5: Gex-Finger assembly**

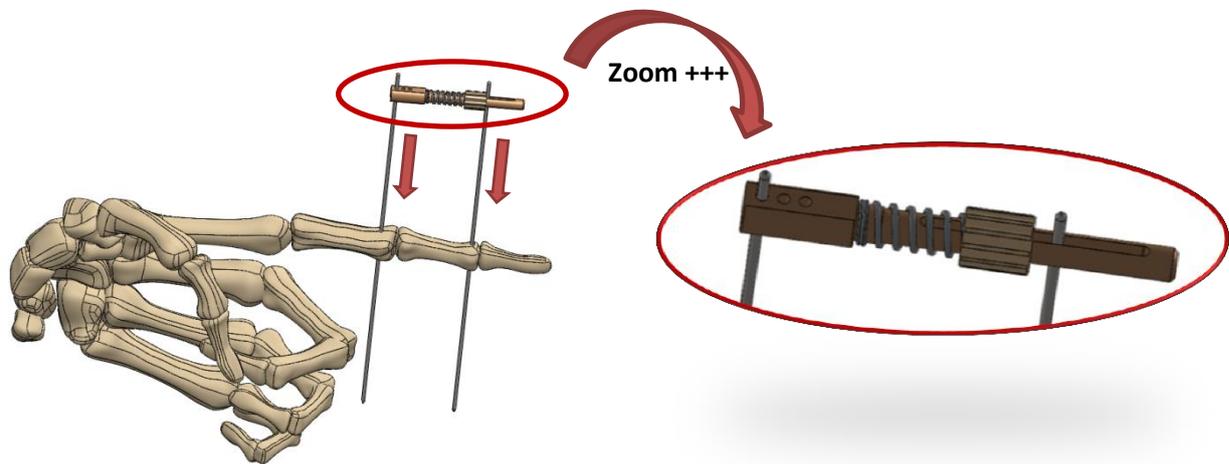
Assemble the two parts of the Gex-Finger

- Put the rod of the body inside the spring of the nut
- Assembly two parts by screwing the two springs
- Completely screw the two springs without strength

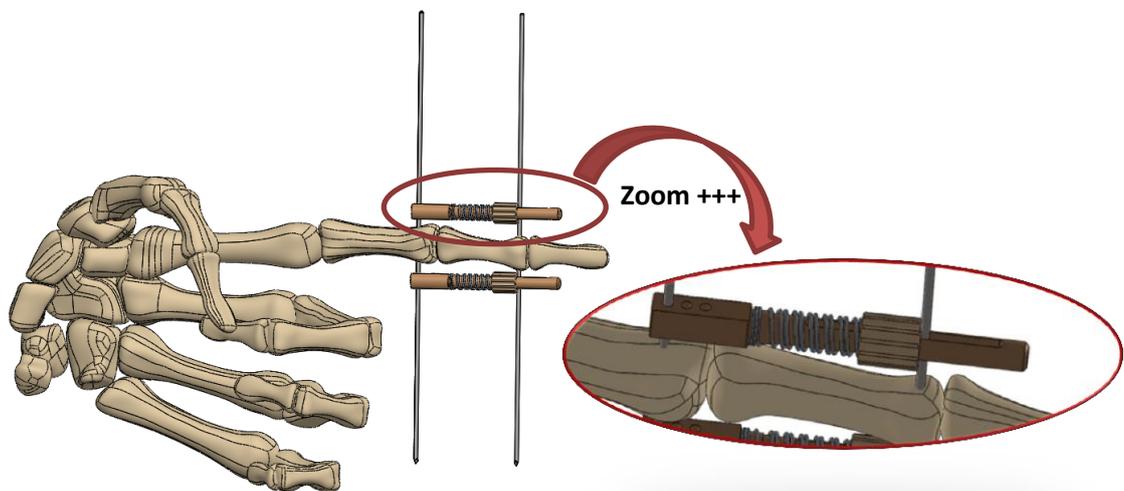


### Step 6: Gex-Finger Positioning

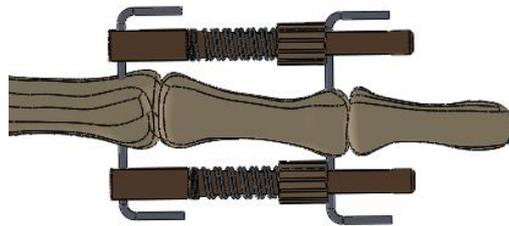
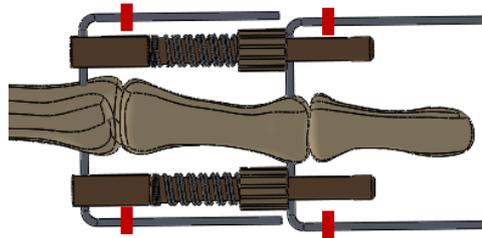
- Install consecutively the two Gex-Finger, by sliding the Gex-Finger along the Kirschner wires
- **ATTENTION: The Part 1 (with 3 holes) is oriented to the proximal side of the joint**



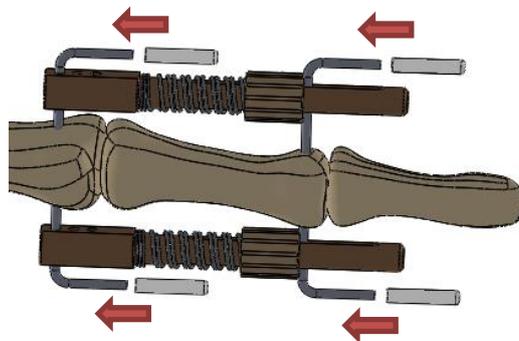
- Unscrew the spring 2 until the ring is in contact with the wire: the Gex-Finger are locked in right positions



- Bend (90°) and cut (around 1 cm from the bend) the wires



- Put the wire caps



### **Step 7: Gex-Finger adjustments**

Screw or unscrew the Gex-Finger's ring to reach the optimal joint extension

### III- Option

It is possible to use a 3<sup>rd</sup> Kirschner wire, implanted between two original wires.

