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Surgical technique _____

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Surgical technique.

• 1

Select the appropriate size of implant and the associated guide overlapping the Trochlear prosthesis trial template size 5-8 (VTI0508) on the anterior portion of the femur condyles.



• 2

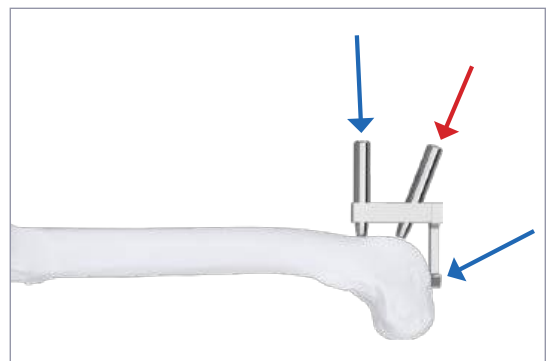
Position the Trochlear prosthesis reaming guide Size #6 (VTI2006) on the anterior and distal portion of the femur to achieve correct positioning.

- The Selected Guide will be used for the same implant size but will allow subsequently to evaluate the use of a one size smaller prosthesis or one size bigger.



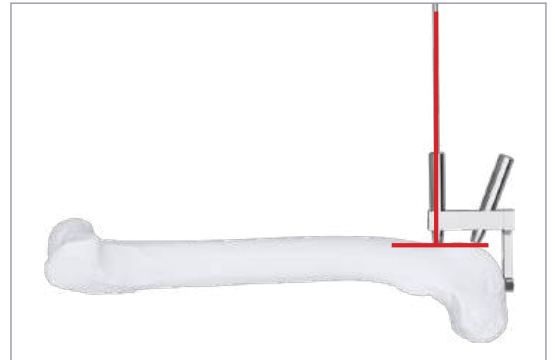
• 3

Push the reamer wire guide into the trochlear sulcus.



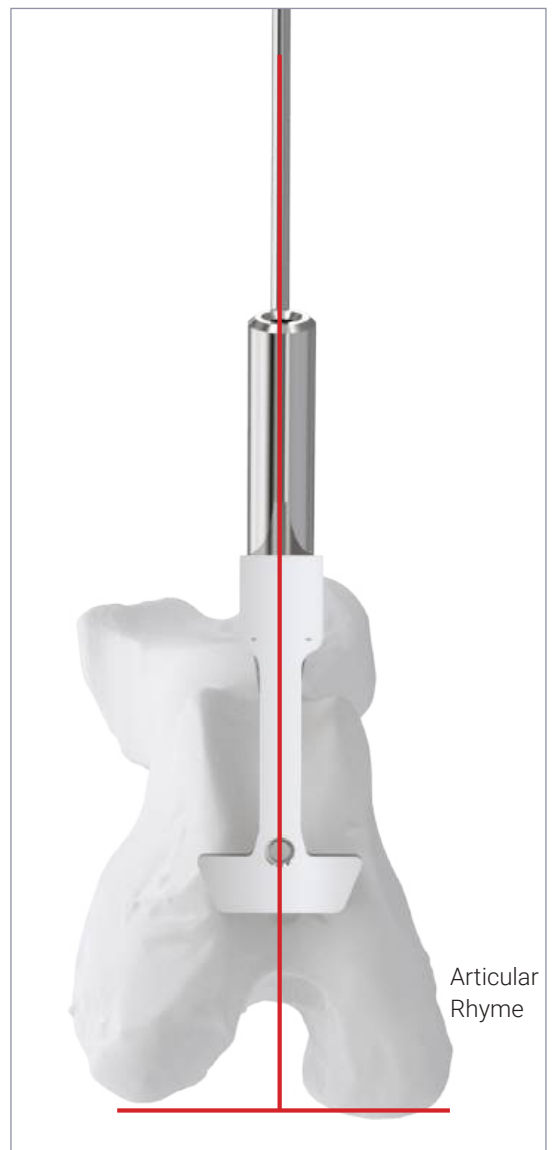
• 4

Insert the stabilization K-Wire (VTI60112).
Make sure that the K-Wire is perpendicular to the cranial plane of the femur condyles.



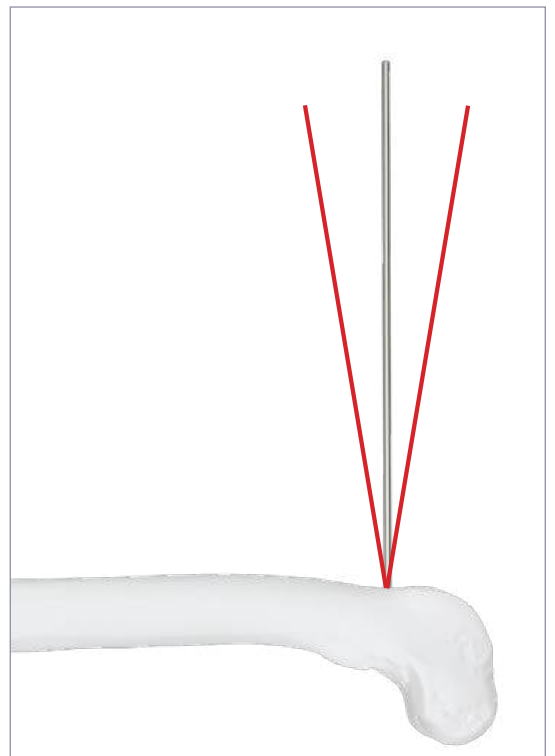
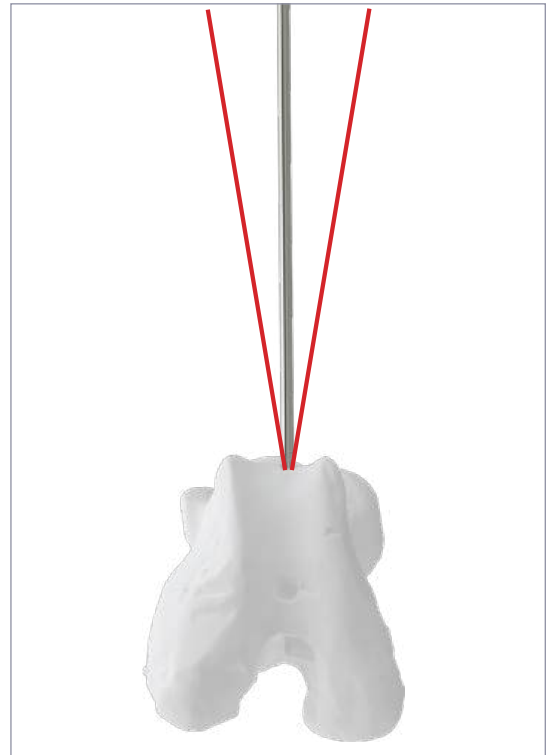
• 5

Also on the frontal plane make sure that the K-Wire is perpendicular to the posterior condylar line.



• 6

If needed the K-Wire can be adjusted by hand to achieve desired positioning.



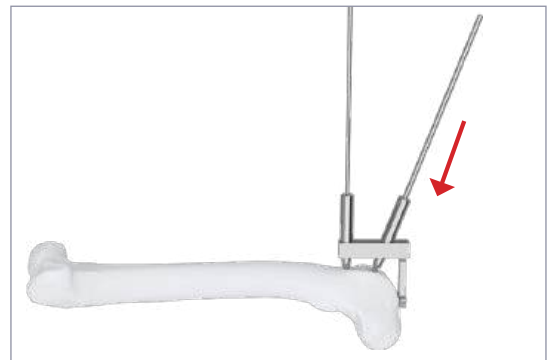
• 7

Insert a second K wire (VTI60122) to achieve better stability of the guide.



• 8

Insert the reamer wire (VTI60412) making sure to keep the instrument in contact with the bone surface.



• 9

Remove the guide.



• 10

Slide the cannulated reamer (VTI3030) over the K-Wire (VTI60412) and ream until reaching a stop.



• 11

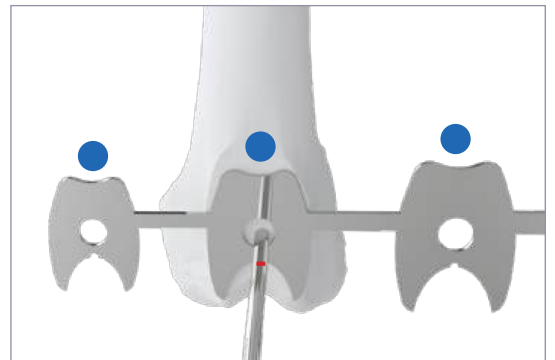
Remove with scalpel blade the bone protrusive portion left as a stopper by the reamer.



• 12

Verify with the chosen size template the amount of reaming surface; if proper for the chosen implant, mark the amount of cartilage and cancellous bone that needs to be removed and pass to the next step.

Otherwise, after removing the protrudent bone, reperte the procedure described at point 11, until the amount of surface is considered appropriate. Once the surface is appropriate for the template, remove the K-Wire.



• 13

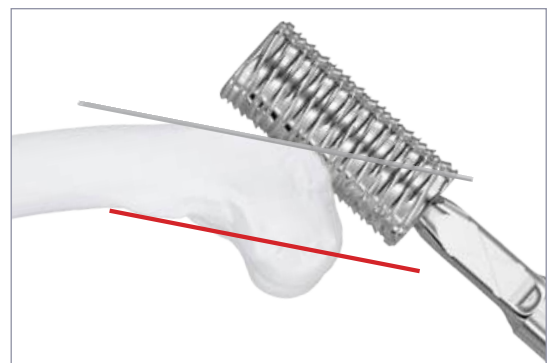
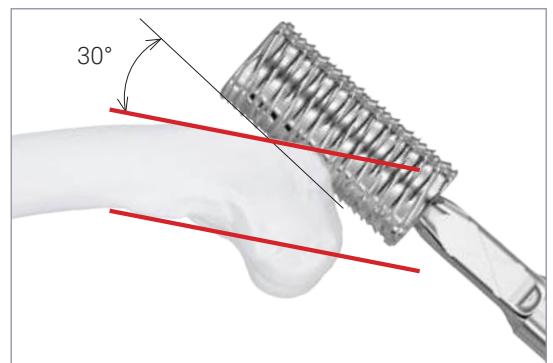
Selecting the appropriate rasp size prepare the implant site.



• 14

Maintain the rasp at a 30° Angle; to achieve this angle always keep the reference mark on the rasp parallel to the anterior plane of the reamed trochlear surface.

Intra-operatively use a K-Wire to check the parallelism between the anterior plane of the reamed trochlear surface and the mark on the rasp.



• 15

Using the same Rasp, smoothen the sharp edges formed on the anterior part of the trochlear ridges.



• 16

Use the Trial implant to verify the congruity of the distal site created; make sure that the caudo-ventral aspect of the prosthesis sits correctly in the site.



• 17

Position the prosthesis holes drill guide (VTI1006) making sure the adhesion on the site created is correct; the caudo-ventral aspect of the drill guide has the same design of the prosthesis.

**• 18**

Insert the \varnothing 2.0mm self-stop bit (VTI40506) and drill the hole for the prosthesis peg.

**• 19**

Remove the \varnothing 2.0mm self-stop k-Wire and insert a \varnothing 2.0mm "L" stabilization pin (VTI70506) into the hole.

**• 20**

Keeping the drill guide in the same position, drill a second hole and insert a second "L" pin.



• 21

Complete the sequence drilling the two remaining holes.



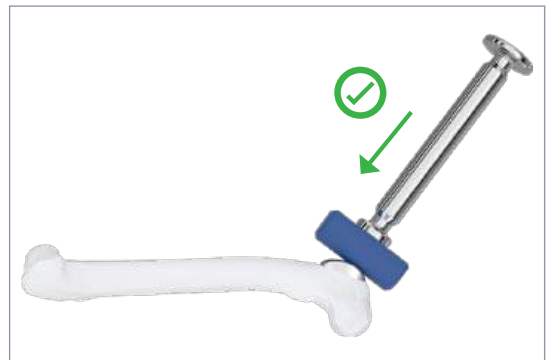
• 22

Remove the drill guide and engage manually the prosthesis pegs into the holes.



• 23

Using the impactor (VTI8000) impact the prosthesis making shure the impacts ti on is coaxial to the prosthesis pegs.



mamamia | Order information**/ PROSTHESIS AND INSTRUMENTS**

Ref.	Description
-SET-VTP	Troclea Prosthesis Instrumentation Set
-SET-VTP-START	Mamamia Starter Kit
VTP0001	Troclea Prosthesis - Size 1
VTP0002	Troclea Prosthesis - Size 2
VTP0003	Troclea Prosthesis - Size 3
VTP0004	Troclea Prosthesis - Size 4
VTP0005	Troclea Prosthesis - Size 5
VTP0006	Troclea Prosthesis - Size 6
VTP0007	Troclea Prosthesis - Size 7
VTP0008	Troclea Prosthesis - Size 8
VTP0009	Troclea Prosthesis - Size 9
VTP0010	Troclea Prosthesis - Size 10
VTP0011	Troclea Prosthesis - Size 11
VTP0012	Troclea Prosthesis - Size 12



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