



3D custom-made implants

3D CUSTOM MADE IMPLANT TECHNIQUE

General recommendations for optimized surgery

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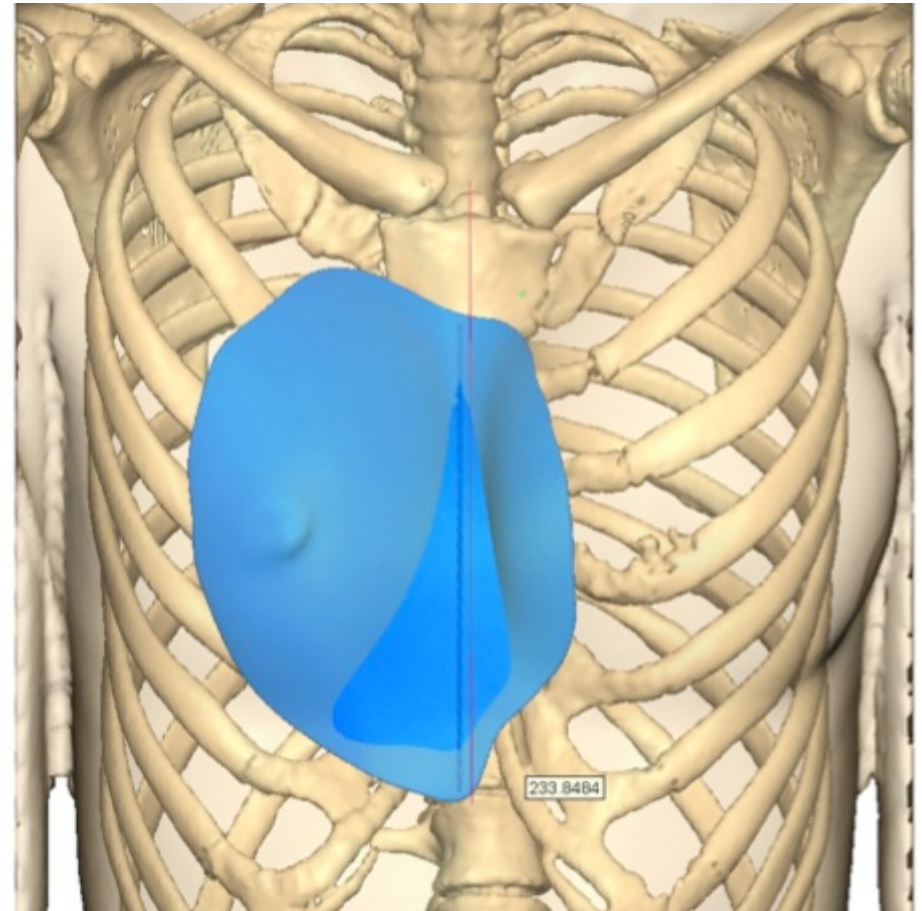
PRE-SURGERY DRAWING AND POSITIONING

Measurement and implant/prototype marks

This measurement is the **interclavicular to distal implant apex distance in mm taken on the virtual patient skin.**

On the front face of the implant and of the prototype, a **median line represents the median proximal/distal sternum axis.**

With these two information, you can place the prototype in the good position to draw the future implant position.

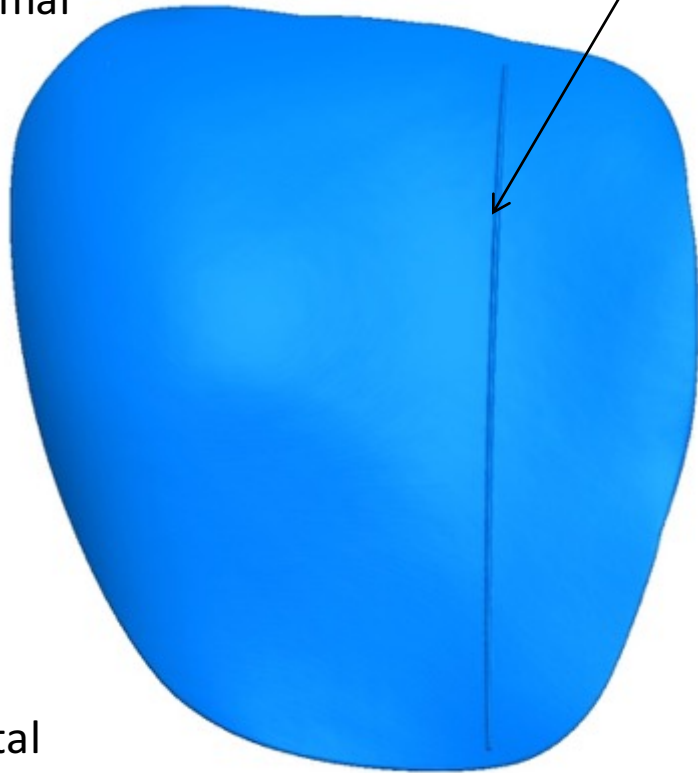


PRE-SURGERY DRAWING AND POSITIONING

Measurement and implant/prototype marks

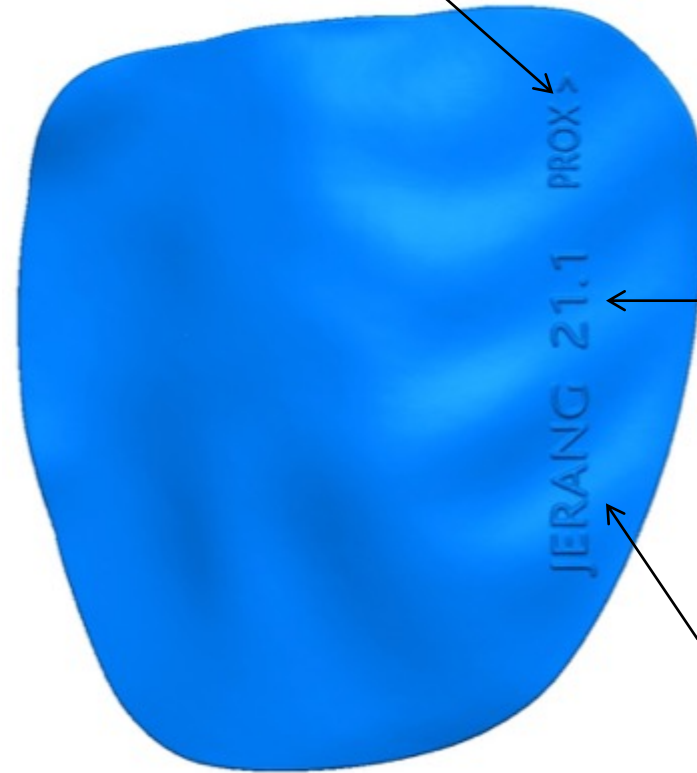
Proximal

Median line



Front view

To proximal patient body direction



Back view

Distal

PreOP distance
Drawing in cm

Patient's ID

PRE-SURGERY DRAWING AND POSITIONING

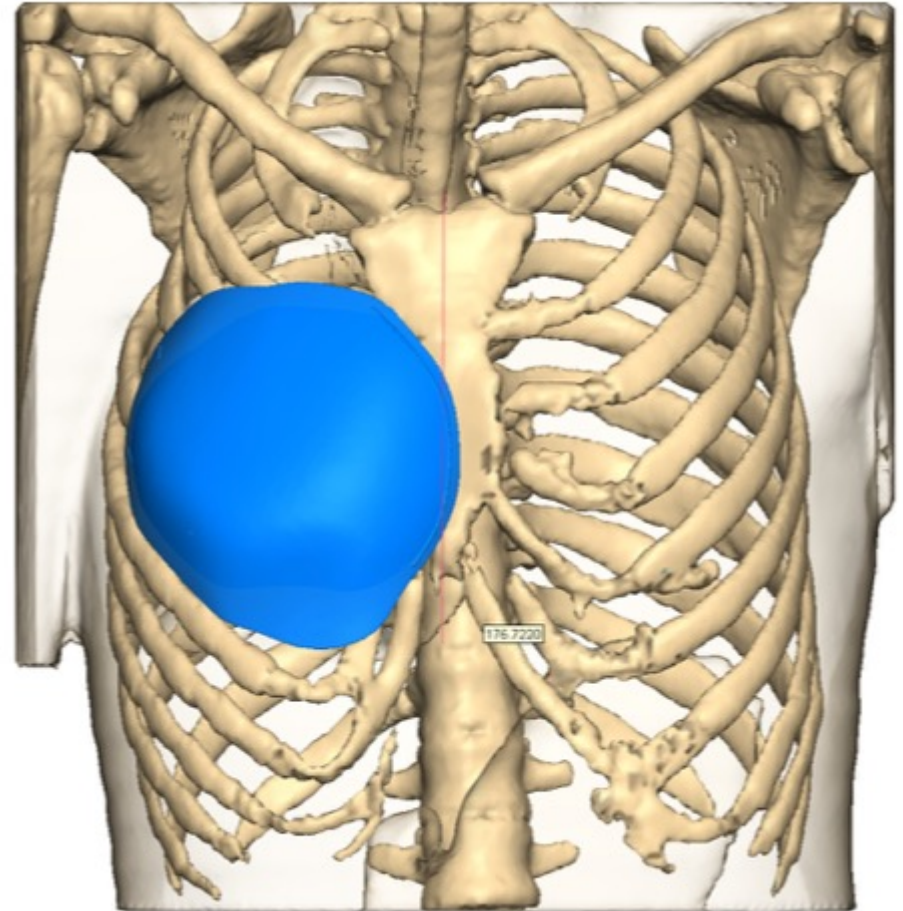
Using the prototype to draw the future implant position



PRE-SURGERY DRAWING AND POSITIONING

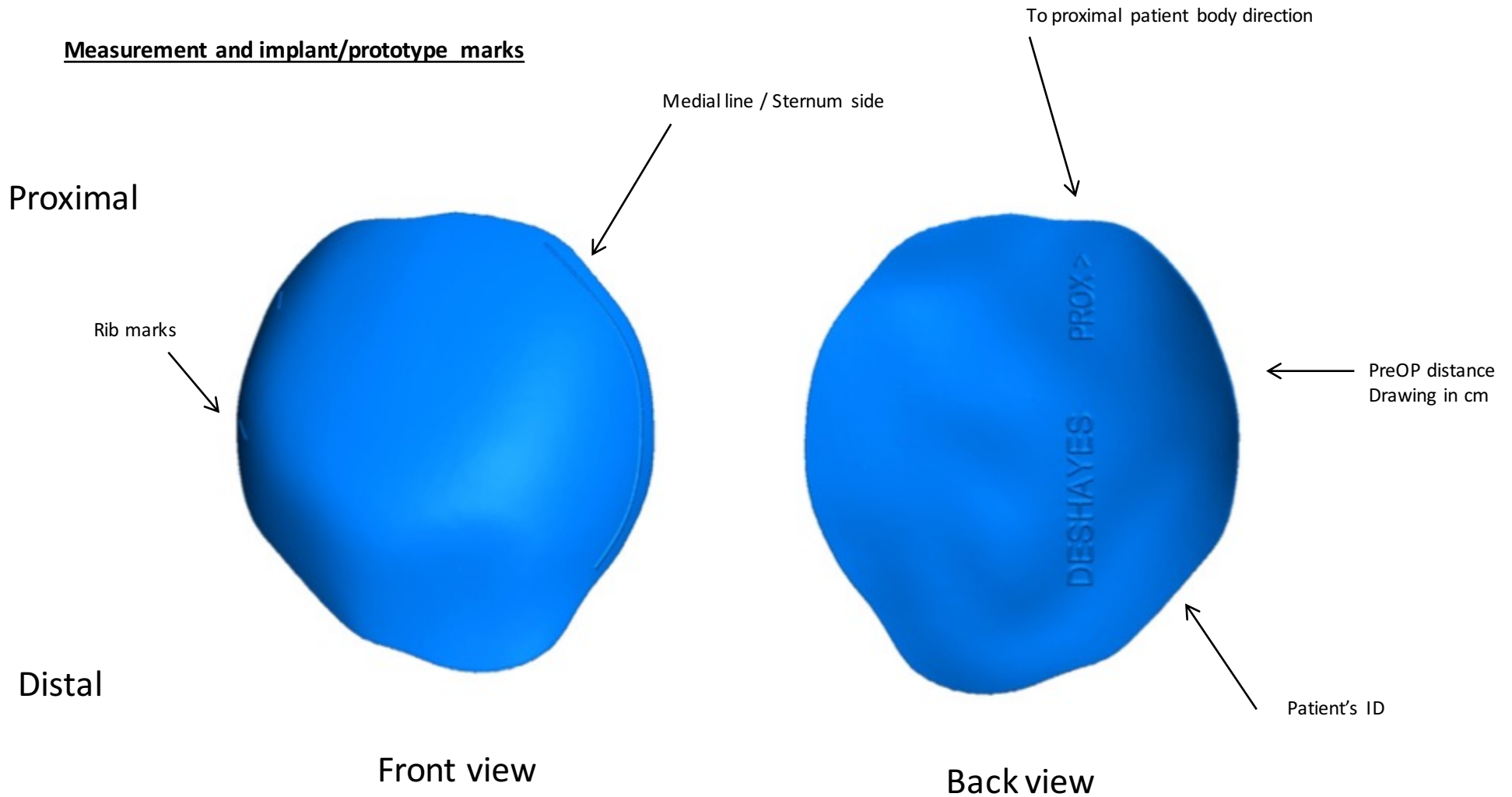
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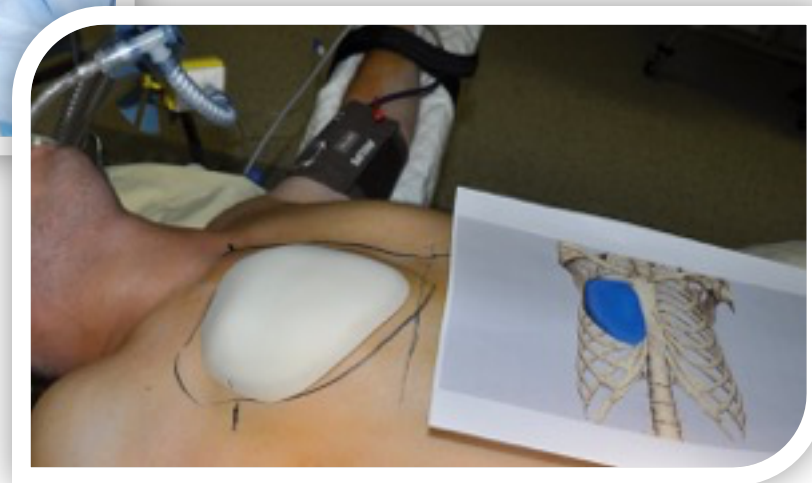
PRE-SURGERY DRAWING AND POSITIONING

Measurement and implant/prototype marks



PRE-SURGERY DRAWING AND POSITIONING

Using the prototype to draw the future implant position



Surgery training video available on our youtube channel:

- **Pectus Excavatum**

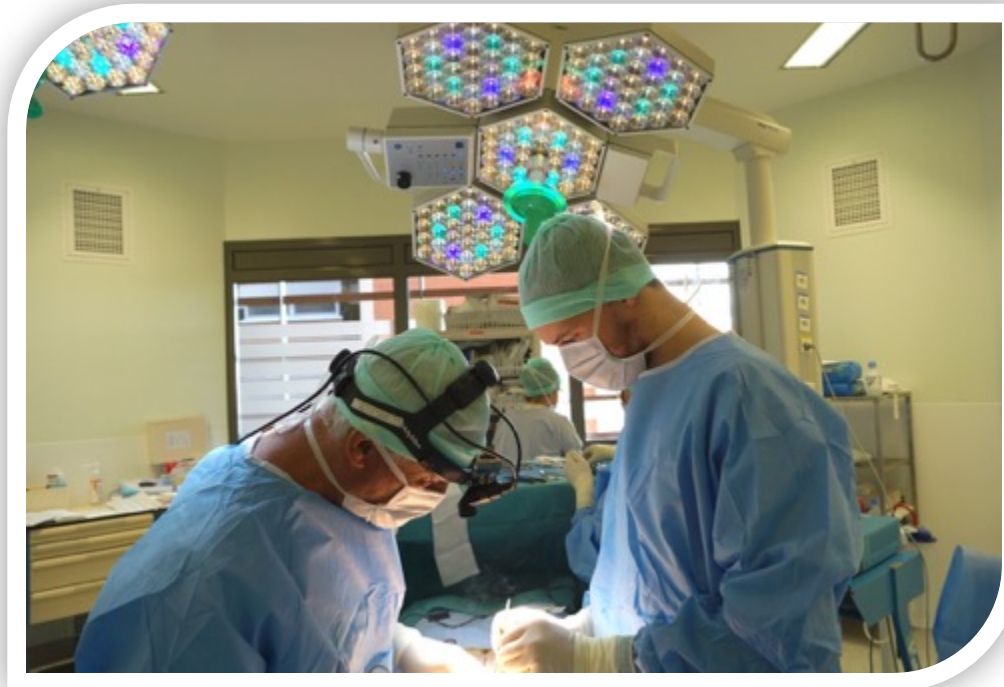
<https://www.youtube.com/watch?v=KUomigcVIF8&index=2&list=PLN4pH9KRz2cvsAW2IQnivnQNqAvCJsJX1>

- **Poland Syndrome**

<https://www.youtube.com/watch?v=zuTyB-UmqfY&index=3&list=PLN4pH9KRz2cvsAW2IQnivnQNqAvCJsJX1>

- **Calf atrophy**

<https://www.youtube.com/watch?v=-wgGAbiQZHM&feature=youtu.be>

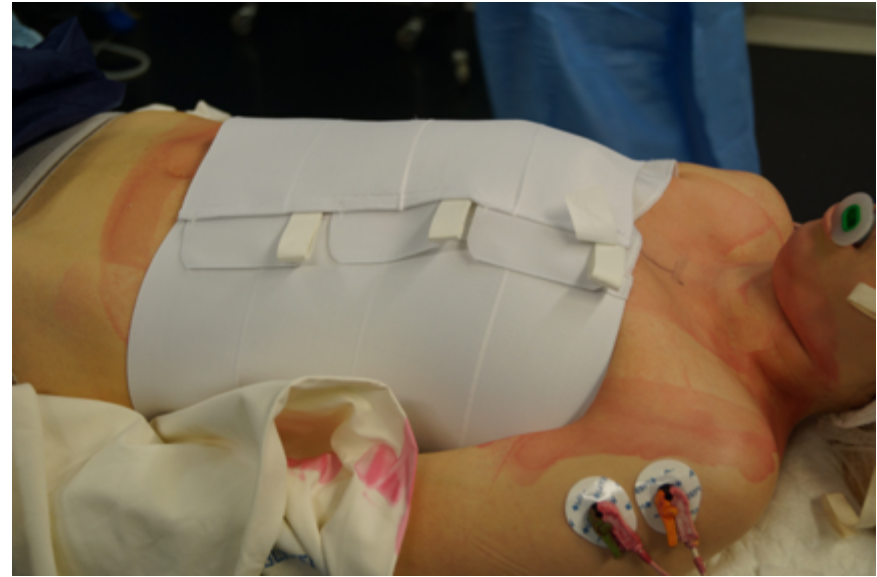


BEST PRACTICES : SURGERY AND FOLLOW UP

	PECTUS	POLAND	CALF
Body position	Supine position Arms along the body	Supine position - Arm (operated side) in abduction	Prone position
Surgical approach	Vertical / presternal/ 7 cm	Axillary 8 cm (lazy S shape)	Popliteal fold / 6 to 8 cm
Preparation	Adrenalin saline solution infiltration		
Drawing	Using prototype with marks (sternal fork point - median line)	Using prototype with marks (sternal fork point - median and horizontal line)	Using prototype with marks (internal malleolar point – distal implant)
Anatomical Position	Retropectoral up Sub fascial rectus abdominis down	Sub cutaneous	Sub fascial gastrocnemius muscles
Closing	3 planes including muscle	2 planes	2 planes
Drainage	NO		
Dressing	Circular elastic restraint		
Pain treatment	Bearing analgesic 1		
Contention	Compression bra night and day : 1 month	Compression bra night and day : 15 days	Contention strip night and day : 15 days
Puncture of Seroma	Declive-sitting Output hospital/ after 8 days/ every 8 days according necessity	According necessity	According necessity
Activity	Sick leave 15 days Sport restriction 3 months		



Instruments



Dressing (ex. Thuasne)



Puncture



Compression bra (ex. Medical Z)

CONTACT US

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