Bibliography


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Recreating harmonious bodies for a new vision of rebirth.
A targeted response

AnatomikModeling and Groupe Sebbin have partnered to develop 3D customised implants using computer-aided design. Our implants adapt perfectly to the patient’s anatomy and are custom-made in France by a highly-skilled and experienced technician.

A technology perfectly adapted to thoracic deformities: “The Pectus Excavatum” and Poland’s syndrome.

PECTUS EXCAVATUM
- Thorax deformity: medial or lateral part depression of the sternum
- The most common congenital thoracic deformity (1 for every 300-1,000 births) [1]
- No functional impact in most cases but a strong psychological impact [2]
- In women it may be accompanied by a breast asymmetry

POLAND’S SYNDROME
- Total or partial absence of the pectoralis major muscle
- In men there is depression under the clavicle
- In women there is breast asymmetry

The advantages

Each custom-made implant is created in 3D using computer-aid design. It moulds perfectly to the area concerned.

• Easy fitting, excellent stability [1,4]
• Improved aesthetic results [4]
• Polymerised silicone, unalterable and unbreakable [4]
• Simpler post-operative follow-ups [4], moderate pain [1]
• Lower risk of complications [2]
• Quick resumption of normal activities, (back to work in 2-3 weeks [3], days and sports in 3 months [4])

STAGE 1

Detailed process explanation to the surgeon
Evaluation, implant prescription and CT scan performed (with the arms along the body)
Scan and prescription sent to local Sebbin representative
Data validation
Viability study
Quote sent to the surgeon
Quote approval and 50% advance payment to local Sebbin representative

STAGE 2

Start design of the implant using computer-aided design
Send file (3D images and placement recommendations) to the surgeon
Specification validation of the 3D implant by AnatomikModeling
Manufacture of the prototype
Manufacture of the mould and of the implant by silicone injection
Compile the technical dossier, sterilisation, Quality Control / Release
Shipment of the sterile implant and the prototype

STAGE 3: PROCEDURE AND NEXT STEPS

1 single procedure = 1 hour
Hospitalisation = 3 days
Treatment with simple analgesics
Bandage: 8 days Bra compression: 1 month
Follow-up appointment with seroma management after 8 days

Regulatory dossiers, traceability documents and patients scans are archived by Groupe Sebbin
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[1] Reference 1
[2] Reference 2
[3] Reference 3
[4] Reference 4

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