

GEISTER

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The better way to operate™

The Maazouzi APS™
Aortic Plasty-Sizer



THE MAAZOUZI APS™ AORTIC PLASTY-SIZER FOR TOTAL AORTIC PLASTY

With degeneration problems in bioprosthesis, issues of availability, preservation and cost of homografts the necessary anticoagulation and the problem of thromboembolism in mechanical valves, the search for the perfect valve prosthesis is not yet completely successful especially for the young patients.

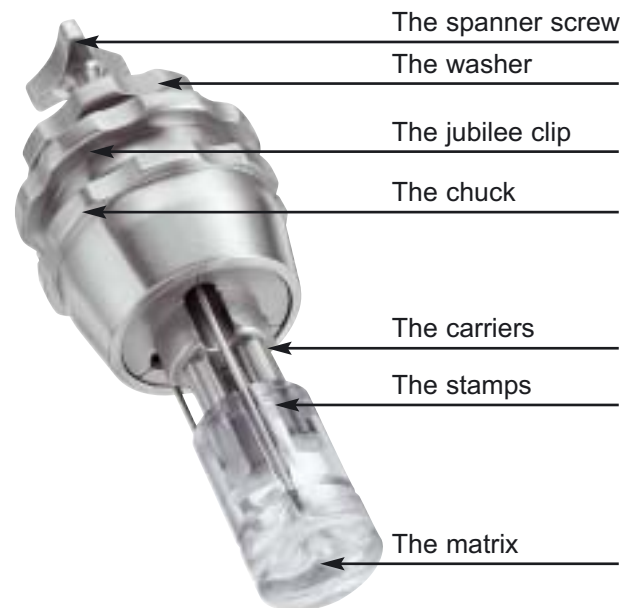
Based on the positive results of numerous studies, a complete biological prosthesis is possible using autologous pericardium.

A better biocompatibility, nonexogenous material and usability in most cases – even calcified ones – create an increasing interest in using autologous pericardium for total aortic plasty amongst surgeons. However, many authors had been discouraged so far due to the difficulty in using, handling and suturing this material.

The new GEISTER® Maazouzi APS™ System provides a full and versatile solution for such careful handling, measurement, sizing, cutting and suturing of autologous pericardium for total aortic plasty.

Developed in cooperation with Professor Wajih Maazouzi M.D., Ibn Sina Hospital, Rabat, Morocco.

Device composed of different elements:



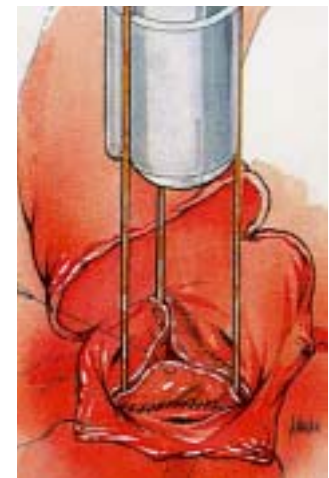
Precise **measurement** giving the size of the corresponding size of device



Preciseness of pericardium cutting



Easy suturing (facilitation of running sutures)



Easy implantation

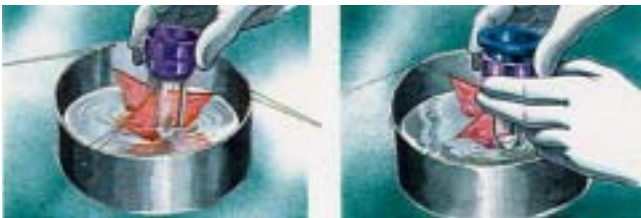
Literature:

- DURAN Carlos M.D., et al: Aortic valve replacement with autologous pericardium: Surgical Technique J Card Surg. 1995; 10 : 1-9
- SOCROFANI Roberto, MD et al: The role of autologous pericardium in Cardiac Surgery: Ann Thorac Surg. 1997; 63 . 291-304
- DURAN Carlos M.D., et al: From aortic cusp extension to Valve Replacement with stentless pericardium Ann Thorac Surg. 1995; 60 : 428-432

... AND THE PERFORMING STEPS:



1 - Preparing the pericardium on the plate.



2 - Pieces of pericardium are placed between the stamps of the device.



3 - The matrix and the spanner screw are then adjusted.



4 - Excess pericardium is cut leaving 5 mm of tissue for sutures.



5 - Six running sutures are performed between the border of the neo-cusps and the annulus.



6 - At the level of the annulus, the running sutures are tightened and the stamps are pulled up.



7 - The matrix is the last element of the device to be removed.



8 - The coaptation of cusps is then analysed and tested.

Maazouzi APST™ System Set,
complete with solid stand and
preparation plate

03-5454 11 mm - 17 mm
03-5452 19 mm - 25 mm
03-5453 27 mm - 31 mm

Maazouzi APST™ Holder,
complete with matrix,
3 stamps and spanner
screw

Mini
03-5454.11 11 mm
03-5454.13 13 mm
03-5454.15 15 mm
03-5454.17 17 mm

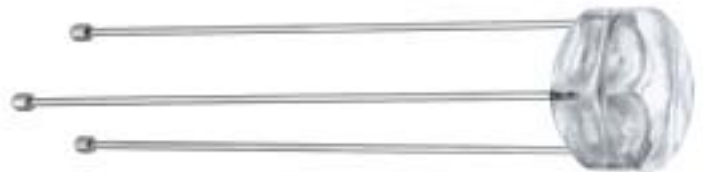
Small
03-5452.19 19 mm
03-5452.21 21 mm
03-5452.23 23 mm
03-5452.25 25 mm

Large
03-5453.27 27 mm
03-5453.29 29 mm
03-5453.31 31 mm



Maazouzi APST™ Stamp
(3 each required for 1 holder)

03-5455.11	11 mm	03-5455.23	23 mm
03-5455.13	13 mm	03-5455.25	25 mm
03-5455.15	15 mm	03-5455.27	27 mm
03-5455.17	17 mm	03-5455.29	29 mm
03-5455.19	19 mm	03-5455.31	31 mm
03-5455.21	21 mm		



Maazouzi APST™ Matrix

03-5456.11	11 mm	03-5456.23	23 mm
03-5456.13	13 mm	03-5456.25	25 mm
03-5456.15	15 mm	03-5456.27	27 mm
03-5456.17	17 mm	03-5456.29	29 mm
03-5456.19	19 mm	03-5456.31	31 mm
03-5456.21	21 mm		

Maazouzi APST™ Spanner Screw 03-5457



Preparation Plate 03-5449



Solid Stand

03-5447 mini 11 - 17 mm
03-5450 small 19 - 25 mm
03-5451 large 27 - 31 mm

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