



UNIVERSITÀ
degli STUDI
di CATANIA

DEPARTMENT OF GENERAL SURGERY AND MEDICAL-
SURGICAL SPECIALTIES
Bachelor's Degree in Cardiocirculatory and Cardiovascular
Perfusion techniques
Academic Year 2015/2016 - 3° Year

CHIRURGIA VASCOLARE E CARDIACA

7 CFU - 1° and 2° Semester

Teaching Staff

SEBASTIANO MARCHISELLO - Module CHIRURGIA VASCOLARE - MED/22 - 3 CFU

DOMENICO GIUSEPPE GRASSO - Module CARDIAC SURGERY - MED/23 - 4 CFU

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DETAILED COURSE CONTENT

▪ CARDIAC SURGERY

- Surgical treatment of simplex congenital heart diseases (Patent ductus arteriosus, Coarctation of aorta, Atrial septal defect, Ventricular septal defect) and complex congenital heart diseases (Tetralogy of Fallot, Transposition of the great arteries).
 - Acquired valvular heart diseases (mitral, aortic and tricuspid valve): surgical indications; surgical conservative treatment and replacement; biological and mechanical prosthesis, stentless prosthesis.
 - Ischemic heart disease: diagnosis and surgical indications; surgical treatment on pump and off pump; conduits for revascularization; long term results.
 - Mechanical post-MI complications (mitral incompetence, ventricular septal defect, free left ventricular wall rupture, left ventricular aneurysm); surgical treatment.
 - Thoracic aortic aneurysm: classification, surgical indications and treatment.
 - Aortic dissection: classification, surgical indications and treatment.
 - Heart transplantation: donor selection (brain death); surgical indications; immunosuppressive therapy, post operative complications; short and long term results.
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