



MONACO
CARDIO
THORACIC
CENTER

INDIVIDUAL PACKAGE PRICES

PREAMBLE

The package price covers all costs, including hospitalisation expenses and medical fees, all examinations carried out, even outside the Centre, and treatment of any post-operative complications connected with the operation.

The package price can only be fixed after the patient has been examined or precise and detailed information on his/her clinical case has been provided.

The "standard package" is subject to an additional charge of 20% for complex cases, 50% for complicated cases and 70% for a combination of complicated /complex cases and/or emergencies.

In intensive care, assisted ventilation, intra-aortic balloon pumping and renal dialysis are included (unless artificial life support equipment has to be maintained for more than 15 days due to the patient's previous [pre-intervention] state of health). Assisted circulation by ventricular prosthesis is not included.

The package price covers the patient's aftercare, by the Centre's doctors, for one month after hemodynamic investigations, for six months after interventional cardiology procedures and for one year after surgical operations, as well as, during that period of time*, and depending on the package price, re-operations and hospitalisation connected with the procedure but not with the development of the causal pathology or of a previous or intercurrent pathology.

The procedures covered by the package price and the gravity of the pathology are listed in each section so that pre or post-interventional examinations can be carried out in a simple and objective way.

Emergency admission of a patient: pathological condition with risk of death within 48 hours if the appropriate medical treatment is not administered.

The following is a non-restrictive and non-exhaustive list of conditions constituting an emergency: myocardial infarction (within the first 48 hours or mechanical and/or rhythmic complications at any time), irreversible cardiac insufficiency, heart failure with acidosis, acute dysfunction of prosthesis, progressive infectious endocarditis, acute aortic dissection, fissured vascular aneurysm, unstable angina pectoris,...

* with the exception of surgery for congenital cardiopathies and surgery performed on infants and new-born babies.

HEMODYNAMIC INVESTIGATIONS & INTERVENTIONAL CARDIOLOGY

| STANDARD | COMPLEX (+ 20 %) | COMPLICATED (+ 50 %) | INTERNATIONAL CODIFICATION | INDIVIDUAL PACKAGE PRICE * (choice of the practitioner and private room) Euros | | |
|--|--|---|---|---|----------------|-------|
| A 10 - AMBULATORY HEMODYNAMIC ANGIOGRAPHIC AND VENTRICULAR INVESTIGATIONS OF THE CARDIAC CAVITIES AND PRINCIPAL VESSELS | | | | | | |
| <ul style="list-style-type: none"> Investigation of the cardiac or vascular structures by magnetic resonance with or without injection during a cardio-vascular check-up. Investigation of the cardiac or vascular structures by multi-slice CT scanner with or without injection. Angiography, angiopneumography, coronary angiogram. Thoracic and abdominal aortic angiography. Angiography of the peripheral vessels. Transesophageal, Dobutamine or stress echography in Day-Hospital. Special cases: cardiac investigation and coronary angiogram requiring magnetic resonance and multi-slice CT scan during the same session. | | | A1000 Standard | 2,000 | | |
| | | | A1010 Standard | 3,000 | | |
| A 11 - HEMODYNAMIC INVESTIGATIONS (SPECIAL CASES) | | | | | | |
| <p>Explorations prior to surgical procedures, during the same hospital stay, will be billed at the applicable rate. Explorations prior to interventional cardiology procedures, realized on the same day, are included in this second package. Otherwise, a charge of 50% is applied to this package. Approximate length of stay: 24 or 48 hours.</p> <ul style="list-style-type: none"> Satisfactory control investigation. Investigation not revealing severe lesions or requiring extensive therapeutic treatment. Isolated investigation of the cardiac or vascular structures by magnetic resonance with or without injection and/or multi-slice CT scan during a cardio-vascular check-up that requires a 24-hour hospitalisation. Administration of an electric shock to treat atrial arrhythmia. | | | | | A1100 Standard | 7,200 |
| A 12 - HEMODYNAMIC INVESTIGATIONS | | | | | | |
| <p>Explorations prior to surgical procedures, during the same hospital stay, will be billed at the applicable rate. Explorations prior to interventional cardiology procedures, realized on the same day, are included in this second package. Otherwise, a charge of 50% is applied to this package. Approximate length of stay: 3 days.</p> | | | | | | |
| <ul style="list-style-type: none"> Right and/or left heart catheterisation with angiopneumography or aorto-arteriography. Coronary angiogram. Full electro-physiological investigation. Investigation, measurement of the cardiac structures (ventriculogram and auriculogram), of systolic and diastolic functions, with dynamic and graphic recording and/or analysis and measurement by magnetic resonance, of the contractility and viability of the ventricular wall. Coronary angiogram and paretography by magnetic resonance and/or multi-slice CT scan. | <ul style="list-style-type: none"> Catheterisation in infants, new-born babies or children under two. Complex electro-physiological investigation with endo-cavitary mapping. Catheterisation with right and/or left endo-cavitary heart biopsy. Study of the coronary microcirculation, assessment of the functional impact of coronary lesions (FFR). Endocoronary study by ultrasound or luminography (OCT or IVUS). | <ul style="list-style-type: none"> All emergency hemodynamic investigations due to acute cardiac or coronary insufficiency. Coronary angiogram with or without thrombolysis in acute phase of myocardial infarction. Pulmonary embolism with respiratory distress. Circulatory arrest to treat arrhythmia. Intra-aortic balloon pumping or peripheral assisted circulation (devices not included). | A1200 Standard A1220 Complex A1250 Complicated | 11,500 13,100 15,500 | | |
| A 21 - INTERVENTIONAL CARDIOLOGY (prosthesis not included) | | | | | | |
| <p>The six-month guarantee covers coronary controls and redux angioplasty on the same lesion.</p> | | | | | | |
| <ul style="list-style-type: none"> Coronary (and/or intra-thoracic vascular) transluminal angioplasty to treat one stenosis with or without stent. Percutaneous valvuloplasty. Percutaneous closure of patent ductus arteriosus or atrial septal defect and osium secundum. Percutaneous vascular and intrathoracic shunts closure. Extraction of a foreign body. Diagnostic or therapeutic pericardiocentesis under angiographic and/or transoesophageal echocardiographic control and/or by magnetic resonance. Closure of the arterial canal or septal defect by amplatzer or occluder. Septal alcoholization. | <ul style="list-style-type: none"> Redux angioplasty (after 6 months) on the same territory. Angioplasty with temporary use of endoluminal devices (laser, atherectomy, rotablator, transcatheter echo, etc.). Treatment of atrial or ventricular arrhythmia by radiofrequency. Redux angioplasties to treat the same vessel or different vessels, during the same hospital stay, with or without stent. | <ul style="list-style-type: none"> Angioplasty for unstable angina or in acute phase of myocardial infarction and coronary thrombectomy*. Valvuloplasty in new-born babies and infants suffering from cardiac insufficiency. Valvuloplasty in patients ≥ 80 years old. Emergency diagnostic or therapeutic pericardiocentesis under angiographic control and transoesophageal echocardiography or magnetic resonance. CTO: recanalisation of a chronic coronary artery occlusion with percutaneous arterial stenting (application of package price A2170 for retrograde CTO or re-entry in case of dissection). <p>(*): Any other examinations within six months of the procedure are not included, as they are dependent upon the development of the infarcted area and other possible lesions.</p> | A2100 Standard A2120 Complex A2150 Complicated A2170 Complex-Complicated | 21,500 24,700 29,500 32,700 | | |
| A 22 - VASCULAR SURGICAL ANGIOPLASTY (prosthesis not included) | | | | | | |
| <ul style="list-style-type: none"> Angioplasty of supra aortic trunks. Angioplasty of visceral arteries. Angioplasty of the arteries of the lower limbs. | <ul style="list-style-type: none"> Angioplasty of the subclavian artery. Angioplasty of the renal artery. Angioplasty of the hypogastric artery. | <ul style="list-style-type: none"> Angioplasty in patients ≥ 80 years old. Angioplasty of the carotid artery. Angioplasty of the celiac trunk, superior mesenteric artery. Angioplasty of the arteries of the legs. | A2200 Standard A2220 Complex A2250 Complicated | 21,500 24,700 29,500 | | |
| A 31 - ELECTRO-SYSTOLIC PACING (prosthesis not included) | | | | | | |
| <ul style="list-style-type: none"> Permanent electro-systolic pacing. <p>By thoracotomy or laparotomy: see package A 71</p> | <ul style="list-style-type: none"> Sequential pacemaker. Sequential pacemaker in children < 15 years old. Redux pacemaker (complete change of pacemaker and leads). Implantation of a connected ECG recorder. | <ul style="list-style-type: none"> Triple chamber pacemaker. Pacemaker without probe. Endo-cavitary implantable defibrillator. | A3100 Standard A3120 Complex A3150 Complicated | 14,000 16,000 19,000 | | |
| A 32 - CHANGE OF PACEMAKER (prosthesis not included) | | | | | | |
| <ul style="list-style-type: none"> Change of pacemaker (any age). Ablation. | | <ul style="list-style-type: none"> Change of defibrillator with provoked circulatory arrest. | A3200 Standard A3250 Complicated | 10,000 13,000 | | |

SURGERY

| STANDARD | COMPLEX (+ 20 %) | COMPLICATED (+ 50 %) | INTERNATIONAL CODIFICATION | INDIVIDUAL PACKAGE PRICE * (choice of the practitioner and private room) Euros |
|---|---|--|--|---|
| CARDIO-THORACIC AND VASCULAR SURGERY UNDER EXTRA-CORPOREAL CIRCULATION | | | | |
| A 41 - CORONARY SURGERY (vascular prosthesis not included) | | | | |
| <ul style="list-style-type: none"> • Simple C.A.B.G.* (whatever the number of by-passes or the surgical technique). * "Heartbeating" C.A.B.G. by assimilation. | <ul style="list-style-type: none"> • Redux by-pass. • Associated with a different intra-cardiac, intra-thoracic or vascular surgical procedure. • Obesity BMI > 30. • Re-bypass surgery in a patient with a history of valve surgery | <ul style="list-style-type: none"> • Surgery performed on patients with permanent cardiac insufficiency. • Emergency surgery at admission or 72 hours after diagnosis. • Left ventricular aneurysm or left ventricular akinesia. • Ejection fraction < 30 %. • Patients ≥ 80 years old. • Arrhythmia and mechanical complications in myocardial infarction. • Unstable angina pectoris. • Obesity BMI > 40. | A4100 Standard A4120 Complex A4150 Complicated A4170 CIC or E** | 72,000 81,600 96,000 105,600 |
| A 51 - VALVULAR SURGERY (valvular prosthesis not included) | | | | |
| <ul style="list-style-type: none"> • Valve repair or replacement surgery (whatever the number of valves). | <ul style="list-style-type: none"> • Redux surgery. • Surgery associated with a by-pass or an aneurysm of the thoracic aorta. • Surgery for chronic affections of the aorta, segments I, II, III, by assimilation. | <ul style="list-style-type: none"> • Criteria is the same as for coronary surgery, with: • Acute valvular insufficiency following endocarditis, myocardial infarction, chest trauma. • Severe aortic dissection • Conversion of a procedure for the replacement or repair of aortic or mitral or tricuspid valve by arterial or venous approach or thoracotomy with cardiac surgery team and ECC in stand-by in hybrid angio-surgical room with interventional cardiology and vascular surgery together. | A5100 Standard A5120 Complex A5150 Complicated A5170 CIC or E** | 72,000 81,600 96,000 105,600 |
| A 52 - OTHER CARDIAC SURGERY UNDER EXTRA-CORPOREAL CIRCULATION (prosthesis not included) | | | | |
| <ul style="list-style-type: none"> • Intra-thoracic aorta surgery. • Pericardial, myocardial or endocardial surgery. • Pericardectomy. • Tumour or trauma of the cardiac cavities or structures (chronic lesion). • Intra-cardiac foreign body. • Surgical treatment of atrial or ventricular arrhythmia. • Operation under extra-corporeal circulation for extra-thoracic surgery (e.g. tumour or intra-cerebral vascular malformations). | <ul style="list-style-type: none"> • Same conditions as A41 and A51. | <ul style="list-style-type: none"> • Same conditions as A41 and A51, with: • Cardio-pericardial and vascular trauma (severe lesions). • Assisted circulation by thoracotomy (devices not included) (see a-b). • Debranching. | A5200 Standard A5220 Complex A5250 Complicated A5270 CIC or E** | 72,000 81,600 96,000 105,600 |
| A 61 - CONGENITAL OPEN HEART SURGERY (valvular or vascular prosthesis not included) | | | | |
| The guarantee covers aftercare of new-born babies and infants for the first month after surgery but not the first year, because of the subsequent operations required for complex cardiopathies. | | | | |
| <ul style="list-style-type: none"> • Simple interventricular communication (with or without PAH). • Intra-auricular communication. • Partial atrioventricular canal. • Other left-right shunts > 4 months. • Partial APVR, triatrial heart, valvular plasty. • Interventricular communication + pulmonary stenosis. • Valve replacement surgery. • Simple interventricular communication < 4 months. • Pulmonary stenosis (whatever the level may be, except pulmonary bifurcation lesion). • Regular Fallot. • Aortic stenosis > 6 months requiring a simple resection, a commissurotomy or an aortic patch. • Cavopulmonary derivation > 1 year (without disorder of the AV valves or of the ventricular function). | <ul style="list-style-type: none"> • Several associated malformations. • Cardiopathy that has already been operated on or that is associated with another pathology. • Congenital cardiopathy in adults (> 15 years; old congenital cardiopathy) except for ostium secundum. • Other left-right shunts < 4 months. • Pulmonary atresia with intact septum > 6 months. • Ebstein's disease. • Aortic stenosis < 6 months requiring a simple resection, a commissurotomy or an aortic patch. • Cavopulmonary derivation < 1 year (without disorder of the AV valves or of the ventricular function). | <ul style="list-style-type: none"> • Emergencies in babies < 1 month. • Persistent decompensated cardiac insufficiency. • Infectious endocarditis. • Emergency (acute cyanosis). • Complete atrioventricular canal. • Total APVR. • Irregular Fallot or < 4 months. • Pulmonary atresia + Interventricular communication. • Pulmonary atresia with intact septum < 6 months. • Vascular malposition + Interventricular communication. • Anatomic repair of TGV (switch, REV). • Common arterial trunk. • Aortic stenosis requiring a Konno or Ross procedure. • Aortic arch interruption (treatment/ECC). • Total cavopulmonary derivation. • Abnormal coronary artery. | A6100 Standard A6120 Complex A6150 Complicated A6170 CIC or E** | Mother-child < 6 years 72,000 81,600 96,000 105,600 |

SURGERY

| STANDARD | COMPLEX (+ 20 %) | COMPLICATED (+ 50 %) | INTERNATIONAL CODIFICATION | INDIVIDUAL PACKAGE PRICE * (choice of the practitioner and private room) Euros |
|---|---|---|--|---|
| CARDIO-THORACIC AND VASCULAR SURGERY WITHOUT EXTRA-CORPOREAL CIRCULATION | | | | |
| A 62 - CLOSED HEART CONGENITAL SURGERY | | | | |
| The guarantee covers aftercare of new-born babies and infants for the first month after surgery but not the first year, because of the subsequent operations required for complex cardiopathies. | | | | |
| <ul style="list-style-type: none"> • Coarctation (+/- arterial canal). • Cerclage. • Arterial canal. • Anastomosis of pulmonary revascularisation (whatever is the type). | <ul style="list-style-type: none"> • Valvulotomy / pulmonary ectomy. • Several associated malformations. • Children requiring preoperative artificial ventilation. | <ul style="list-style-type: none"> • New-born baby < 1 month. | A6200 Standard A6220 Complex A6250 Complicated | 52,000 58,400 68,000 |
| A 71 - CARDIO-THORACIC SURGERY BY THORACOTOMY OR THORACOSCOPY AND ABDOMINAL AND THORACIC AORTIC SURGERY WITHOUT EXTRA-CORPOREAL CIRCULATION (prosthesis not included) | | | | |
| Beating heart aortic coronary by-pass surgery is classed under package price A41 on account of the partially-assisted circulation and/or recuperation circuit and disposable material. Package price applicable whatever the approach. | | | | |
| <ul style="list-style-type: none"> • Pleural, pleuropulmonary or pulmonary ablation (partial or complete). • Mediastinal tumour ablation. • Intra-thoracic vascular surgery without E.C.C. • Abdominal aortic surgery with or without endoprosthesis. • Thoracic aorta surgery with or without endoprosthesis. • Cardiac surgery without E.C.C. (closed heart commissurotomy, coarctation, patent ductus arterius, pericardectomy without ECC). | <ul style="list-style-type: none"> • Redux surgery. • Associated surgery (vascular, digestive, pleuropulmonary). • Juxtarenal aneurysms. • Aneurysms extended to hypogastric arteries. | <ul style="list-style-type: none"> • Emergencies (chest trauma, arterial rupture and fissuring). • Dissection with thoraco-abdominal expansion. • Dissection extended to the thoracic arch. • Respiratory, renal or cardiac insufficiency. • Patients ≥ 80 years old. • Insertion of a defibrillator by thoracotomy with control by circulatory arrest. • Pleuro-pulmonary or mediastinal ablation involving the pericardium and principal vessels or cardiac structures. • Procedure for the replacement or repair of aortic or mitral or tricuspid valve by arterial, venous approach or thoracotomy with cardiac surgery team and ECC in stand-by in hybrid angio-surgical room with interventional cardiology and vascular surgery together. * • Left atrial closure. * without use of ECC. | A7100 Standard A7120 Complex A7150 Complicated A7170 C/C or E** | 52,000 58,400 68,000 74,400 |
| Package price A71, with an additional charge of 25% for: <ul style="list-style-type: none"> • Mediastinoscopy. • Diagnostic thoracoscopy. | Package price A71, with an additional charge of 50% for: <ul style="list-style-type: none"> • Diagnostic thoracotomy. • Isolated parietal surgery. • Pleuro-pulmonary-mediastinal biopsies. • Pleural or pericardial drainage by thoracotomy. | | | |
| PERIPHERAL VASCULAR SURGERY | | | | |
| A 72 - PERIPHERAL VASCULAR SURGERY (prosthesis not included) | | | | |
| <ul style="list-style-type: none"> • Any peripheral arterial vascular surgery. | <ul style="list-style-type: none"> • Redux surgery on the same vessel. • Several associated surgeries. | <ul style="list-style-type: none"> • Emergencies (trauma, arterial rupture and fissuring). • Associated respiratory, renal or cardiac insufficiency. • Patients ≥ 80 years old. • Percutaneous bypass. | A7200 Standard A7220 Complex A7250 Complicated A7270 C/C or E** | 42,000 46,400 53,000 57,400 |
| Package price A72, with an additional charge of 50 % for: • Saphenectomy. | | | | |
| OTHER PACKAGE PRICES | | | | |
| <ul style="list-style-type: none"> • Cardiac check-up (all procedures included except for hemodynamic and angio-ventricular investigations), vascular check-up or pulmonary check-up, including ambulatory care or complete hospitalisation. • Myocardial infarction, supervision in a monitored unit, billed daily. • Myocardial infarction in acute phase, supervision in intensive care, billed daily. • Package price: first 7 days of myocardial infarction in acute phase. • Package price: first 7 days of myocardial infarction + P.T.C.A. | | | A8100 A8110 A8200 A8500 A8510 | 5,500 / day 5,500 / day 4,800 / day 32,000 40,000 |

* The PRIVATE SECTOR SUPPLEMENT is divided into: 2/3 for availability of a single room with accompanying person, 1/3 for medical fees (choice of practitioner). Rooms 706, 806, 906: 30% deduction. The price for availability of 2 en-suite rooms amounts to twice the PRIVATE SECTOR SUPPLEMENT.

** Complex / Complicated or Emergency: applicable criterion for patients with "Complex" and "Complicated" criteria or admitted in Emergency.

a - Temporary assisted circulation: "Standard package price" + days of I.C.U.

b - Long-term assisted circulation: "Standard package price" + 30-day-I.C.U. + subsequent hospital stay at the daily rate.



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