

Guidelines to be followed by centres, services and units in order to be designated as Reference Centres, Services and Units of the National Health System as agreed by the Interterritorial Board

20. HEART TRANSPLANTATION IN CHILDREN

A. Rationale for the proposal

► Epidemiological data on recommendation for heart transplantation in children.	In Spain, recommendation for heart transplantation is 3.7 per million population. In 2006 in particular there were 25 transplantations indicated in adults.
► Data on the use of the procedure.	In Spain, heart transplant activity in children during 2006 consisted of 16 transplants (2.3 transplants per million population.)

B. Guidelines to be followed by Centres, Services and Units in order to be designated as Reference Centres, Services and Units for heart transplantation in children.

<p>► Experience of the Reference Centres, Services and Units:</p> <p>- Activity:</p> <ul style="list-style-type: none"> • Number of procedures (minimum and optimal) that should be performed in a year to ensure an adequate care. <p>- Other data: research on the subject, postgraduate teaching, continuing training, etc.</p>	<p>- Having been active in the last 5 years and having performed at least 8 heart transplantations in children in the last 5 years.</p> <p>- In addition, there must be an active programme of heart transplantation in adults and neonatal and paediatric heart surgery activity with extracorporeal circulation.</p> <p>- Hospital with undergraduate medical teaching programme.</p> <p>- Hospital with a standardized continuing training programme and unit participation in the undergraduate teaching programme and in the internship and residency programme of the centre.</p>
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<p>► Specific resources of the Reference Centres, Services and Units:</p> <p>- Human resources required for adequate care.</p> <p>Professional experience^a:</p> <p>- Specific equipment required for adequate care.</p>	<p>In addition to those generically mentioned for authorization according to Royal Decree 2070/1999, December 30th, establishing the general basis for clinical harvesting and use of human organs and the territorial coordination in donation and transplantation of organs and tissues, the centre must have the following human resources:</p> <p>- 2 surgeons + 2 cardiologists + 1 paediatrician available at all times, with the basic education specified below.</p> <p>Professional experience of at least 5 years in heart transplant surgery in children for:</p> <ul style="list-style-type: none"> - medical team. - surgical team. - anaesthesia, reanimation and intensive care team. - perfusionist - nursing staff. <p>In addition to those generically mentioned for authorization according to Royal Decree 2070/1999, December 30th, establishing the general basis for clinical harvesting and use of human organs and the territorial coordination in donation and transplantation of organs and tissues, the centre must have:</p> <ul style="list-style-type: none"> - Short-, medium-, and long-term heart and lung support as a bridge to heart transplant. - Active programme of heart transplantation in adults.
<p>► Procedure and clinical results indicators of the Reference Centres, Services and Units ^b:</p>	<p>The indicators will be agreed with the Units that will be designated.</p>
<p>► Existence of an adequate IT system (Type of data that the IT system must include to allow identification of the activity and evaluation of the quality of the services provided)</p>	<p>Participation in the Spanish Registry for Heart Transplantation³ and completion of the required variables for calculation of activity and result indicators.</p> <ul style="list-style-type: none"> - The unit must have the required data which should be sent to the Spanish National Health

	Service Reference Centres, Services and Units Appointment Commission Secretariat for yearly reference unit monitoring.
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^a *Criteria to be assessed by the Appointment Commission.*

^b *Clinical results standards, agreed to by the experts group, will be assessed, initially by the Appointment Commission, while in the qualification process, as more information from the Reference Centres, Services and Units is being obtained. Once qualified by the Appointment Commission, the Quality Agency will authorize its compliance, as for the rest of guidelines.*

Bibliography:

1. Memoria de actividad de trasplante cardiaco 2006. (2006 Heart transplantation activity report). Available at: URL: http://www.ont.es/Estadistica?id_nodo=19&accion=0&&keyword=&auditoria=F.
2. Memoria de actividad. Trasplante Cardiaco. Revista Española de Trasplantes 2006; July 15 (2): 81-98.
3. Registro Español de Trasplante Cardíaco. (Spanish Registry for Heart Transplantation) <http://www.secardiologia.es/main.asp?w=1280>.