

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

16. LIVER TRANSPLANTAT IN CHILDREN

A. Rationale for the proposal

▶ Epidemiological data on indication for liver transplantation in children.	In Spain, indication for liver transplant in children is 16.3 per million population. In 2006 in particular it was indicated for 111 cases.
▶ Data on the use of the procedure.	In Spain liver transplant activity in children during 2006 consisted of 69 transplants (10.1 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 liver 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>25 liver transplants in children in the last 3 years.</p> <p>- Hospital with undergraduate medical teaching programme.</p> <p>- Hospital with a standardized continuing training programme and 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 carrying out of liver transplantation in children.</p> <p>► Resources from other units and services besides those belonging to the Reference Centres, Services and Units required for the adequate care of liver transplantation in children.</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> <ul style="list-style-type: none"> - At least 2 paediatric liver transplant surgeons and 1 paediatric hepatologist available at all times, with the basic education specified below. <p>2 years of experience in liver transplantation in children for:</p> <ul style="list-style-type: none"> - medical team. - surgical team. - anaesthesia team. - intensive care team. <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 adequate hospital units for liver transplantation in children in terms of:</p> <ul style="list-style-type: none"> - Hospitalization. - Intensive care unit. - Reanimation. - Outpatient care. <p>Support paediatric structures, specialized in:</p> <ul style="list-style-type: none"> - Pathological anatomy. - Interventional radiology - Immunology.
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	<ul style="list-style-type: none"> - Microbiology and infectious diseases. - Endoscopy.
<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 Liver Transplantation in Children 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.

^a Experience will be accredited by certification from the hospital manager.

^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 hepático 2006 (2006 Liver transplantation activity report). Available at: URL: http://www.ont.es/Estadistica?id_nodo=19&accion=0&&keyword=&auditoria=F.
2. Memoria de actividad. Trasplante hepático. Revista Española de Trasplantes 2006; July 15 (2): 60-80.
3. Registro Español de Trasplante Hepático (Spanish Registry for Liver Transplantation). In http://www.ont.es/.calidad.jsp?id_nodo=25&&keyword=&auditoria=F.