

***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***

**17. LIVING DONOR LIVER TRANSPLANTATION IN ADULTS**

***A. Rationale for the proposal***

► Epidemiological data on indication for living donor liver transplantation in adults.	In Spain, indication for liver transplant in adults is 51.4 per million population. In 2006 in particular, liver transplantation in adults was indicated for 1947 cases. Indication for living donor liver transplantation modality is not known with certainty.
► Data on the use of the procedure.	In Spain, living donor liver transplant activity in adults during 2006 consisted of 8 transplants (0.2 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 living donor liver transplant in adults.***

<p>► Experience of the Reference Centres, Services and Units:</p> <p>- Activity:</p> <ul style="list-style-type: none"> <li>• Number of procedures (minimum and optimal) that should be performed in a year to ensure an adequate care for living donor liver transplantation.</li> </ul> <p>- Other data: research on the subject,</p>	<p>- 30 living donor liver transplantations (in adults and children) in the last 5 years.</p> <p>- Deceased liver transplantation programme minimal activity of 25 and optimal of, at least, 50 per year.</p> <p>- Hospital with undergraduate medical teaching programme.</p>
---	--

postgraduate teaching, continuing training, etc.	- 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>► Specific resources of the Reference Centres, Services and Units:</p> <p>- Human resources required for the adequate care of living donor liver transplantation in adults.</p> <p>Professional experience<sup>a</sup>:</p> <p>- Specific equipment required for the adequate care of living donor transplantation in adults.</p> <p>► Resources from other units and services besides those belonging to the Reference</p>	<p>In addition to those generically mentioned for authorization according to Royal Decree 2070/1999, December 30<sup>th</sup>, 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>- At least 4 surgeons (2 for living donor liver transplant and 2 for deceased liver transplant), available at all times, as well as the complete deceased liver transplant medical surgical team.</p> <p>Experience in liver surgery with continuous activity and a minimum average of 50 resections per year.</p> <p>In addition to those generically mentioned for authorization according to Royal Decree 2070/1999, December 30<sup>th</sup>, 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 a specific support structure:</p> <p>- At least 2 operating theatres available at the time of the transplant.</p> <p>- Structure for deceased liver transplantation.</p> <p>- Hospital units for liver transplantation in terms of:</p> <ul style="list-style-type: none"> <li>• Hospitalization.</li> <li>• Intensive care unit.</li> <li>• Reanimation.</li> <li>• Outpatient care.</li> </ul> <p>Specific support by:</p> <p>- Anatomical Pathology.</p>

Centres, Services and Units required for the adequate care of living donor liver transplantation in adults.	<ul style="list-style-type: none"> <li>- Interventional radiology.</li> <li>- Immunology.</li> <li>- Microbiology and infectious diseases.</li> <li>- Endoscopy.</li> </ul>
► Procedure and clinical results indicators of the Reference Centres, Services and Units <sup>b</sup> :	<b>The indicators will be agreed with the Units that will be designated.</b>
► 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>Participation in the Spanish Registry for Liver Transplantation<sup>3</sup> and in the Spanish Registry for Living Donor Transplantation and completion of the required variables for calculation of activity and result indicators.</p> <ul style="list-style-type: none"> <li>- 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.</li> </ul>

<sup>a</sup> Experience will be accredited by certification from the hospital manager.

<sup>b</sup> 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](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](http://www.ont.es/.calidad.jsp?id_nodo=25&&&keyword=&auditoria=F).