

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

18. LUNG TRANSPLANTATION IN CHILDREN AND ADULTS

A. Rationale for the proposal

▶ Epidemiological data on recommendation for lung transplantation.	In Spain, recommendation for lung transplant is 7.7 per million population. In 2006 in particular there were 343 cases of transplantation indicated in adults.
▶ Data on the use of the procedure.	In Spain, lung transplant activity during 2006 consisted of 169 transplants (3.8 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 lung transplantation (in children and adults).

<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>The centre should have been in active in the last 5 years and have performed, at least, 75 lung transplantations in adults and children in the last 5 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 of lung transplantation.</p> <p>Professional experience^a:</p> <p>- Specific equipment required for the adequate care of lung transplants.</p>	<p>Besides those generically referred 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"> - 3 surgeons + 1 pulmonologist + 1 anaesthetist available at all times, with the basic education specified below. - If the accredited unit performs transplantations in children under 15 years of age or weighting less than 35 kg it must have a specific paediatric medical surgical team. <p>Accredited experience of at least 5 years in lung transplant surgery for:</p> <ul style="list-style-type: none"> - medical team - surgical team. - anaesthesia, reanimation and intensive care team. - perfusionist <p>Besides those generically referred 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"> - Perfusion equipment for extracorporeal circulation. - Availability of interventional bronchoscopy. - If the accredited unit performs transplantations in children under 15 years of age or weighting less than 35 kg it must have a specific paediatric infrastructure.
<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 Lung Transplantation³, providing data from the International registry, and completion of the required variables for calculation of activity and result indicators.</p> <p>- 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.</p>
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^a *Criteria to be assessed by the Appointment Commission.*

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

^c *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 pulmonar 2006. (2006 Lung transplantation activity report). Available at: URL: http://www.ont.es/Estadistica?id_nodo=19&accion=0&&keyword=&auditoria=F.
2. Memoria de actividad. Trasplante pulmonar. Revista Española de Trasplantes 2006; July 15 (2): 99-112.
3. Registro Español de Trasplante Pulmonar. (Spanish Registry for Lung Transplantation). In <http://www.ont.es/>.