Hospital Universitario
12 de Octubre

Líder en asistencia, investigación y docencia
*A leader in healthcare, research and teaching*
The 12 de Octubre Hospital, a leading centre in international healthcare

The 12 de Octubre University Hospital is the main specialised healthcare centre for the southern zone of Madrid, although it also serves other healthcare areas of Madrid and other Spanish regions. It is one of the biggest hospitals in Spain, both in terms of size and number of beds. It can attend to most kinds of healthcare problems, as it offers care in practically all medical and surgical specialist areas, and has central services with state-of-the-art technological equipment. As a result, the 12 de Octubre Hospital enjoys a position of prestige in the field of international healthcare.

A visit round the Hospital will show that nearly all of the services and units that it comprises are outstanding in some aspect of their work. They cover the four areas in which the 12 de Octubre Hospital is a leading centre: transplants, cancer treatment, care of polytrauma patients, and women's and children's healthcare.

The Hospital is also recognised in other areas that do not involve healthcare directly but are closely related to it, such as teaching. Every year, it offers training for more than 400 medical students and a similar number of nursing students, together with 500 staff who are undergoing practical training, having obtained their university qualifications. There is also an extensive ongoing training programme for our workers.
The Hospital currently has around 200 research projects underway, focussed mainly on cancer, rare diseases, models of disease and therapies, infectious diseases and AIDS, other chronic diseases and inflammation, and neurological and mental diseases.

For this purpose, the 12 de Octubre Hospital has a Centre for Biomedical Research, which is dedicated exclusively to carrying out these kinds of projects and studies. There is a total surface area of 1,500 square metres housing eight research laboratories, scientific-technological support areas (genome science, cultures, confocal microscopy, etc.), two experimental operating rooms (one for large animals, and another for microsurgery), seven differentiated dependent areas in which these animals are kept, and areas for administration, equipment and general services.

A large number of professional staff use the facilities in the centre to carry out their work, including doctors, biologists, biochemists and chemists. Their work mainly involves research into rare diseases - mitochondrial, oncological, inflammatory and neurological - and mental health. The final objective is that the findings will influence therapeutic activity and will improve the quality of the care received by patients.

In the 12 de Octubre Hospital and its dependent centres there are some 300 staff involved in research work, either as the main researchers in collaboration with scientific projects. There are also another one hundred people working full-time in this area.
A joint effort to improve healthcare

The figures relating to hospital activity are remarkable. Nearly 40,000 surgical interventions, over 40,000 patient admissions, and approximately a quarter of a million emergency treatments. For this to be possible, the 12 de Octubre Hospital has two large buildings, the Maternity-Paediatric Unit and General Residence, the latter being the oldest of the two, having begun its activity in 1973. In addition to these two buildings are the Teaching Block, the aforementioned Research Centre and the Generating Unit, together with a number of different specialist centres within its healthcare area. All of this in hospital grounds of 147,000 square metres.

The main centre in the architectural complex, where the body of the Hospital is located, is the Out-Patient Centre, which is the starting point for the project of the New 12 de Octubre Hospital.

This ambitious project entails the complete renovation of the Hospital's amenities. Together with the Out-Patient Centre, there are plans to build other buildings for the care of hospitalised adult patients, for surgery, and for women’s and children’s healthcare. In all, this will be a New 12 de Octubre Hospital that is modern and forward-looking, incorporating the latest available technologies while retaining the prestige that it already enjoys today.

Thanks to all of this, and to the work carried out by its almost 7,000 staff, the 12 de Octubre Hospital is now a key centre for anyone who becomes ill at some point in his or her life, and needs help in recovering.
The 12 de Octubre University Hospital has undisputed prestige in the field of transplants. It has occupied one of the top positions in the country year after year with regard to the number of operations of this type, and is one of the few Spanish centres that carry out all kinds of solid organ transplants - kidney, heart, liver, pancreas, intestine, lung and multivisceral. Since the first kidney transplant in 1973, more than 4,000 transplants have been carried out in all of the categories mentioned above.

There is therefore no doubt about the importance of the 12 de Octubre University Hospital as a transplant centre for. It is a pioneering centre in many techniques, such as kidney transplants for elderly patients using kidneys from donors who are also of an advanced age, and performing both double and single transplants. This has allowed the Hospital to use organs from very old patients - up to 90 years old - something that previously had been considered unviable.

Also included in its range of services are liver transplants, both for adults and children: the Hospital has been designated as a key national centre for this kind of transplant, and also for intestine transplants in adults. The 12 de Octubre Hospital is also a pioneer in this field, and is especially active in technique that uses the same liver for two patients, thus making maximum use of the donated organs available and in many cases preventing the deaths of patients who are awaiting a donor organ. The Hospital also carries out heart, pancreas-kidney, pancreas in isolation, adult intestine, multivisceral and, most recently, lung transplants.

This important activity requires the involvement of practically all of the services, in perfect coordination. Only a hospital with the characteristics of the 12 de Octubre, with specially trained and highly skilled staff, high technology and state-of-the-art equipment, can do all this and successively achieve excellent results.
Regarding the diagnosis and treatment of cancer, the 12 de Octubre University Hospital covers all the areas necessary for tackling this disease. A great many services, both medical and surgical, play a role in diagnosis and treatment. In addition, they are helped by the use of state-of-the-art equipment and leading technology.

Among recent additions is the Family Cancer Unit, focusing on prevention of the disease from a hereditary point of view. This Unit attends to the needs of members of a family in which a number of cases of the same type of cancer have been diagnosed at an early age.

Also of note is the development of molecular biology and other similar techniques that have contributed to improvements in the diagnosis, prognosis and evolution of cancer. They have also helped to promote the study of drugs in clinical trials for oncology therapy and in the development of the services and units that carry out laboratory testing.

The 12 de Octubre Hospital is a national centre of reference for the treatment of germinal tumours with intensive chemotherapy. It has a Medical Oncology Day Hospital, where treatments like chemotherapy, transfusions and puncturing can be carried out on an out-patient basis in spacious, well-lit, comfortable rooms.

Additionally, the Radiotherapy Oncology Service is also available to carry out new techniques, such as intraoperative radiotherapy and breast irradiation using out-patient facilities.

The 12 de Octubre Hospital leads and coordinates the Oncosur group, which is made up of nine hospitals in the south of Madrid, which work together to improve the diagnosis and treatment of cancer for patients in their catchment areas.
A leading hospital in a broad range of facilities and services

Women's and children's healthcare

The 12 de Octubre Hospital has a Maternity-Paediatric Centre dedicated to the care of women and children, which receives patients from all over the country. In terms of women's healthcare, the Hospital is a leading centre for healthcare for pregnant women and pathological childbirth processes or those with complications. It also offers treatment for breast and ovarian cancer, among others. For example, there is a Foetal Medicine Unit, which is a reference point for intrauterine heart operations, as well as for the diagnosis of other foetal anomalies. Furthermore, it is a pioneer in performing family-inclusive caesareans - in which the presence of an accompanying family member is permitted- and in the practice of the skin-on-skin method from the operating or birthing rooms.

In terms of paediatric care, the Hospital is a principal centre in neonatal care, having one of the largest and most pioneering services in the country; one that has received numerous prizes for care of premature babies and their parents. Besides this, the Maternity-Paediatric Centre has highly complex multidisciplinary units, such as the Respiratory, Cranio-facial and Rare Disease units. It is also one of the main centres for the treatment of specific pathologies such as hemifacial microsomia, labiopalatine fissure and cancer in children.

The 12 de Octubre Hospital has, among other state-of-the-art equipment, a child haemodynamics room - a first in Spain and one of the few that exist in Europe- which allows diagnosis and treatment of child patients with congenital cardiac pathologies and other associated problems.
Only a hospital like the 12 de Octubre, with its state-of-the-art equipment, specialist staff and a range of services that covers practically all specialist areas - medical, surgical and central services - can attend to the care needs of polytrauma patients.

The Polytrauma Intensive Care Unit deserves a special mention. With its highly skilled staff, the Unit attends to patients from anywhere in the country on a daily basis who have suffered traffic or workplace accidents, for example. This Intensive Care Unit has a very low level of mortalities, despite the complexity and severity of the patients it attends to. It is, moreover, one of the few units of this type that has a heliport on its upper floor, where patients needing urgent and highly specialised care are received from far away places.
The 12 de Octubre University Hospital offers practically all clinical specialist areas.

Admission and Clinical Documentation
Allergology
Anatomical Pathology
Anaesthesiology and Resuscitation
Angiology and Vascular Surgery
Digestive System
Clinical Biochemistry
Cardiology
Cardiovascular Surgery
Digestive System and General Surgery
Maxillofacial Surgery
Paediatric surgery
Plastic and Reconstructive Surgery
Thoracic Surgery
Medical-Surgical Dermatology
Endocrinology and Nutrition
Hospital Pharmacy
Genetics
Haematology and Haemotherapy
Immunology
Intensive Medicine
Internal Medicine
Nuclear Medicine
Preventive Medicine and Public Health
Medicine of the Workplace (Prevention of Risks in the Workplace)
Microbiology and Parasitology
Nephrology
Neonatal Care
Pulmonology
Neurosurgery
Neurology
Obstetrics and Gynaecology
Ophthalmology
Medical Oncology
Radiotherapeutic Oncology
Ear, Nose and Throat
Paediatrics
Psychiatry
Radiodiagnosis
Radioneurosurgery
Rehabilitation
Rheumatology
Traumatology and Surgery
Orthopaedics
Pain Unit
Accident and Emergency Care
Urology

There are also multidisciplinary units made up of different specialist areas

Paediatric Rare Diseases Unit
Paediatric Cystic Fibrosis Unit
Paediatric Respiratory Unit
Paediatric Heart Institute
Paediatric Cranio-facial Surgery Unit
Paediatric Fissure Unit
Pelvic Floor Unit
Foetal Medicine Unit
Childbirth Unit
Amyotrophic Lateral Sclerosis Unit
Pain Unit
Infectious Diseases Unit
Marfan’s Syndrome Unit
Neuro-oncology Unit
Neuro-radiological Intervention Unit
Uro-oncology Unit
Colon Cancer Unit
Digestive Pathology Unit
Breast Pathology Unit
Lung Pathology Unit
Madrid’s 12 de Octubre University Hospital is today an innovative centre, leader in many fields, forward-looking and prestigious. If we had to give a complete description of a centre like this, we would have to go on adding more positive qualities to this long list. The 12 de Octubre Hospital has excellent staff, state-of-the-art equipment and project for its complete renovation, which will help to consolidate the position of prestige that it now enjoys, and which makes it one of the best hospitals in the world. In short, this is a Hospital that offers quality, effectiveness and efficiency.