1. ALLERGOLOGY AND CLINICAL IMMUNOLOGY
   - General Allergy Consultation for adults and children
   - Técnicas diagnósticas
     - Diagnostic techniques:
       ▪ Prick test
       ▪ Prick-Prick or Prick by Prick
       ▪ Intradermal
       ▪ Epicutaneous
     - Respiratory function tests:
       ▪ Simple spirometry
       ▪ Forced spirometry.
   - Bronchodilator test.
   - Controlled administration of medication test.
   - Controlled administration of food test.

2. CLINICAL ANALYSIS
   - Biochemistry
   - Hematology
   - Immunology
   - Allergy
   - Molecular Virology and Microbiology
   - Molecular Genetics
   - Hormones and Tumor Markers
   - Cytogenetic
   - Clinical Microbiology
   - Toxicology
   - Image Analysis

3. PATHOLOGICAL ANATOMY
   - Cytological studies.
   - Anatomopathological studies for biopsy and intra and extraoperative surgical tissues.
   - Immunohistochemical markers.

4. ANESTHESIOLOGY, RESUSCITATION AND PAIN THERAPY
   - Pre anesthetic evaluation
   - Anesthetic procedures:
     - Sedation, anxiolysis and analgesia.
     - General Anesthesia.
     - Epidural anesthesia.
     - Subarachnoid (spinal) Anesthesia.
- Combined Anesthesia (epi – intradural)
- Intravenous regional anesthesia.
- Plexular anesthesia.
- Nerve block anesthesia.
- Peripheral Nerve Blocks.
- Local anesthesia by infiltration.
- **PACU (post anesthesia recovery unit).**
- Anesthesia outside the operating room.

5. ANGIOLOGY AND VASCULAR SURGERY

- **Aorta Unit.**
  - Descending aortic surgery.
  - Aortic arch surgery (hybrid treatment).
  - Thoracoabdominal Aneurysms repair. Stents TEVAR.
  - Hybrid treatments. **Fenestrated stents** FEVAR
  - Abdominal aortic aneurysms repair. Bifurcated stents EVAR.
  - Peripheral aneurysms repair.
  - Iliac aneurysms repair.
  - Treatment of aortic dissection type B.
  - Abdominal aortic aneurysm through endovascular repair or minimally invasive surgery.
- **Vascular Unit. peripheral artery disease and peripheral arthropathy and supra-aortic trunks surgery**
  - Arteriograms of the whole vascular area.
  - Aortography.
  - Angioplasty / Carotid stent
  - Angioplasty/ Infrapopliteal stent.
  - Angioplasty/ Visceral trunk stent.
  - Angioplasty/ iliac stent.
  - Angioplasty/ renal arteries stent.
  - Angioplasty/ superficial femoral stent.
  - Carotid subclavian Bypass.
  - Aortic-femoral / aortobifemoral Bypass.
  - Extra-anatomical Bypass
  - Femoropopliteal Bypass (proximal and distal).
  - Distal Bypass.
  - Deep plasty.
  - Popliteal artery entrapment.
  - Carotid endarterectomy (internal and external carotid arteries).
  - Carotid body tumors (resection).
  - Subclavian artery revascularization.
  - Embolization of arteriovenous malformations.
  - Resection of aneurysms of the abdominal aorta.
  - Aneurysms in other areas (femoral, popliteal, etc.).
  - Broken aneurysms.
- Comprehensive treatment of diabetic foot disease.
- Descompression of thoracic outlet.
- Renal artery revascularization.
- Mesenteric revascularization.
- Lumbar and thoracic sympathectomy.
- Vascular trauma.
- Surgery for acute arterial ischaemia.

- **Acute ischaemia and prevention of amputations**
  - Limb vascularization studies
  - Hemorheological intensive medical treatment.
  - Revascularization.
  - Regenerative medicine:
    - Platelet-rich plasma cures.
    - Stem cells.

- **Venous pathology.**
  - Ambulatory phlebectomy.
  - Phlebography and microfoam treatment of spider veins and telangiectasias.
  - Pelvic varicose veins and **pelvic congestion syndrome**.
  - Deep vein thrombosis and postphlebitic syndrome.
  - Saphenectomy or stripping of the saphenous vein.
  - **Endovascular treatment.**

6. **DIGESTIVE SYSTEM**

- Digestive endoscopy (Gastroscopy and Colonoscopy).
- Gastrointestinal tract biopsy.
- Urease test to detect Helicobacter pylori.
- Endoscopic polypectomy.
- Hemostasis endoscopic techniques.
- Varicose veins sclerosis.
- Varicose veins band ligation.
- Argon gas coagulation.
- Hemoclips positioning.
- Injection of sclerosing medications.
- Jejunal tube feeding for enteral nutrition.
- Dilatation of stenotics in digestive tracts.
- Intragastric balloon placement.
- Stomach and colon Desvolvulation.
- Percutaneous Endoscopic Gastrostomy Procedure.
- Removal of foreign bodies.
- Percutaneous liver biopsy.
- Digestive Prosthesis and endoscopic dilatations.
- Digestive tumors treatment.
- Monitoring of liver and pancreas diseases, celiac disease, inflammatory bowel disease (ulcerative colitis, Crohn disease), intolerances – food allergies.
- Funcional tests:
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- Lactose tolerance test.
- Fructose tolerance test.
- Bacterial overgrowth test.
- Capsule endoscopy: enteral, esophageal and colon.
- Diagnostic and terapeutic ultrasound scan.
- Abdominal Doppler ultrasound.
- Enteral Magnetic Resonance.
- Liver biopsy and Fine needle puncture aspiration (PAAF ).
- Intragastric balloon treatment for obesity.

7. CARDIOLOGY

- General Cardiology consult.
- Arrhythmias consult.
- Pediatric cardiology consult.
- Ischemic cardiopathy and Coronary Intervention.
- Sports Check-ups and prior to a sport competition (including top-level ones).
- Cardiac care for patients derived from emergency.
- Cardiac Hospitalization.
- Conventional 12-lead electrocardiography.
- Performance of M-mode, two-dimensional echocardiography and, pulsed and continuous wave color Doppler.
- Treadmill Stress test (Ergometry).
- Holter ECG 24 hours.
- 24 hours ambulatory blood pressure monitoring.
- 64-slice CT.
- Cardiac MRI.

8. CHECK-UP UNITS

- Basic check-up.
- General Male / Female check-up.
- CHIP Male / Female check-up.
- Special Male / Female check-up.
- Sports check-up.
- Cardiac check-up.

9. CARDIOVASCULAR SURGERY UNIT

- Definitive pacemaker implantation.
- Cardioverter Defibrillator implantation
- Resynchronization Pacemaker implantation.
- Valve Surgery.
  - Valve replacement.
  - Valve repair.
  - Transcatheter implants.
- Coronary by-Pass.
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- **Aortic aneurysm repair.**
  - Aortic arch surgery (hybrid treatment)
  - Descending aortic surgery.
  - Thoracoabdominal Aneurysms repair. Stents. Hybrid treatments. Fenestrated stents
  - Peripheral aneurysms repair.
  - Iliac aneurysms repair.
  - Treatment of aortic dissection type B.
- **Aortic stenting through minimally invasive surgery.**
- **Coronary revascularization surgery.**
- **Atrial fibrillation surgery.**

10. **GENERAL SURGERY**

All our units perform open surgical intervention and minimally invasive surgery via laparoscopy.

- **Small intestine surgery.**
- **Coloproctology surgery.**
- **Hepatobiliary surgery**
- **Esophageal and gastroduodenal surgery**
- **Face and neck surgery.**
- **Abdominal wall surgery.**
- **Endocrinological surgery (Thyroid and Parathyroid)**
- **Breast surgery**
- **Spleen surgery**
- **Pancreas surgery**
- **Major and minor outpatient surgery**
- **Obesity and metabolic surgery unit (Bariatric surgery).**
  - Restrictive techniques:
    - Adjustable gastric bands (Laparoscopic or Laparotomic Approach).
    - Vertical sleeve gastrectomy (Laparoscopic or Laparotomic Approach).
    - Proximal gastric by-pass (Laparoscopic or Laparotomic Approach).
    - POSE method (Endoluminal Primary Obesity Surgery).
  - Mixed techniques:
    - Distal Gastric Bypass (Laparoscopic or Laparotomic Approach).
    - Biliopancreatic diversion with gastrectomy.
  - Metabolic surgery (Diabetes, ETS, sleep apnea...).

11. **ORTHOPAEDIC SURGERY AND TRAUMA**

- **Trauma surgery:** Fractures, dislocations, pseudoarthrosis...
- **Hip prosthetic surgery:** Primary arthroplasties and replacements. Minimally invasive arthroplasties.
- **Prosthetic knee surgery:** Primary and rescue arthroplasties.
• **Hand surgery:** Acute and chronic tenosynovitis treatment, carpal tunnel syndrome, treatment for Dupuytren's contracture, treatment for fracture after-effects, scaphoid pseudoarthrosis, wrist arthroscopy.

• **Foot and ankle surgery:** Percutaneous foot surgery, ankle fractures, foot diseases open surgery, ankle osteochondritis, Achilles injuries, etc..

• **Joint arthroscopic surgery:**
  - **Knee arthroscopy:** Meniscus and chondral pathologies, meniscal tears, mosaicplasties, ACL and PCL ligament injuries, degenerative pathology, tibial plateau fractures.
  - **Shoulder arthroscopy:** Relapsing glenohumeral instability repair, rotator cuff injuries, ecidivante, lesones manguito rotador, Superior Labral tear from Anterior to Posterior, Pitcher’s shoulder.
  - **Ankle arthroscopy:** Osteochondral injuries, ankle arthrodesis, anterolateral and rear impingement.
  - **Hip arthroscopy:** Femoroacetabular impingement treatment, chondral injuries, mosaicplasties.
  - **Wrist arthroscopy:** Triangular ligament treatment, wrist fractures
  - **Elbow arthroscopy:** Arthrofibrosis, epicondylitis, chondral injuries.

• **Prosthetic shoulder surgery.**

• **Rachis surgery:** Herniated disks, selective arthrodesis, vertebroplasty.

• **Child Orthopedics and traumatology.**

• **Regenerative medicine treatments:** Growth factors and stem cells.

12. **PEDIATRIC SURGERY**

• **General and Digestive Pediatric Surgery**
  - Appendicitis.
  - Intestine related pathologies: Intestinal atresia, Meckel’s diverticulum, duodenal membrane...
  - Abdominal Wall Defects: inguinal, umbilical, epigastric hernias...
  - Gastroesophageal reflux
  - Gallstones, cholecystectomy
  - Pediatric age ovarian pathologies: Ovarian torsion, Mature ovarian teratoma...
  - Skin and subcutaneous cellular tissue lesions: cysts, lumps...
  - Tongue tie (short frenelum linguae)
  - Ranula
  - Recurring or chronic abdominal pain

• **Child Urologic Surgery**
  - Phimosis, paraphimosis, recurrent balanitis.
  - Wrong testicular descent: cryptorchidism, ascending testes, ascended testes...
  - Orchitis: epididymo-orchitis, testicular torsion...
  - Hydrocele,
  - Varicocele
  - Pre-birth urologic pathology
  - Pyeloureteral duplicity
  - Megaureter
- Vesicoureteric reflux
- Hypospadias
- External genitalia malformations
- Lithiases

- **Child Plastic Surgery**
  - Surgery of facial malformations.
  - Cleft lip.
  - Hard and soft palate cleft.
  - Ear pinning.
  - Hand malformations.

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**13. PLASTIC, AESTHETIC, AND RECONSTRUCTIVE SURGERY**

- **Facial surgery:**
  - Rhinoplasty and Rhinoseptoplasty (Cosmetic nose surgery)
  - Otoplasty (Cosmetic ear surgery)
  - Blepharoplasty (Lower, upper or both eyelid surgery)
  - Cheek implants
  - Mentoplasty (Chin procedures)
  - Frontal lift surgery (Forehead and eyebrow tail lifts)
  - Facial lift surgery or Rhytidectomy (Facial lifts)
  - Cervical lift surgery (Neck lifts or jowls surgery)
  - Complete lift surgery (including blepharoplasty)

- **Breast surgery:**
  - Breast implants (Breast augmentation with prosthesis)
  - Mastopexy (Breast lifts with or without augmentation)
  - Prosthesis replacement
  - Reduction mammoplasty
  - Gynecomastia (Male mammary gland reduction)
  - Male chest implants

- **Body surgery:**
  - Dermolipectomy or abdominal abdominoplasty (Abdominal reduction)
  - Gluteal prosthesis
  - Gluteoplasty or gluteal lift surgery (Gluteal lifts - augmentation)
  - Calf implant procedure
  - Liposuction or liposculpture
  - Brachioplasty (arm lift)
  - Meloplasty (leg lift)

- **Intimate surgery:**
  - Labioplasty (reduction of the labia minora)
  - Labia majora enlargement
  - Penis enlargement
  - Vaginoplasty (vagina rejuvenation or reconstruction)
  - Mons pubis liposuction
  - Hymenoplasty
  - Sex reassignment
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- **Reconstructive Surgery:**
  - Surgical treatment for congenital malformations (head, neck, thorax, abdomen, male and female genitalia...)
  - Reconstruction of soft tissue
  - Surgical treatment of tumors and in all areas where reconstruction through plastias or grafts is needed
  - Burns and its after-effects
  - Scars
  - Limb and finger amputations
  - Hand surgery
  - Tendon and peripheral nerve surgery

14. **THORACIC SURGERY**

- **Chest Wall Surgery**
  - Congenital deformities (Pectus Excavatum and Carinatum).
  - Chest wall tumors, inflammations, correction of parietal defects after trauma...

- **Surgery of the Superior Thoracic Strait Syndrome**

- **Tracheotomies**

- **Tracheal pathology**
  - Stenosis.
  - Benign and malignant tumors.

- **Pleural pathology**
  - Pneumothorax.
  - pleural effusions.
  - Primary and metastatic tumors.
  - Pleurectomies and pleurodesis.

- **Diaphragmatic pathology**
  - Traumatic and non-traumatic injuries (tumors, hernias, etc.).
  - Bullous pulmonary emphysema and lung volumen reduction surgery.

- **Broncho-pulmonary tumors**
  - Lung cancer.
  - Benign tumors.
  - Pulmonary metastasis.

- **Non-tumoral pulmonary pathology**
  - Abscesses.
  - Bronchiectasis.
  - Congenital or acquired malformations.
  - Tuberculosis surgery.

- **Mediastinal pathology**
  - Anterior and posterior mediastinum tumors and cysts.
  - Myasthenia Gravis surgery.
  - Mediastinum inflammatory processes surgery (mediastinitis, abscesses...).
  - Mediastinoscopy and mediastinotomy for tumor biopsy and mediastinal adenopathies.

- **Chest trauma:** Pleural drainage, rib fractures, pulmonary or mediastinal lesions, etc.
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- **Videothoracoscopy surgery**
  - Pneumothorax.
  - Hemothorax.
  - Pleural effusions.
  - Lung nodules resections
  - Pleural or pulmonary biopsy
  - Facial flush.
  - Palm and axillary hyperhydrosis.
  - Mediastinum tumors resections, etc.
  - Major resections by means of videothoracoscopy (VATS).

15. **DERMATOLOGY**

- Prevention and Treatment of Skin Cancer.
- Digital dermatoscopy (pigmented lesions or spots evaluation).
- Cutaneous biopsy.
- Sample collection and processing, and direct observation.
- Skin, hair, nail and mucous membranes diseases.
- Psoriasis.
- Eczema and occupational dermatoses.
- Acne.
- Local corticoid infiltration.
- Cryotherapy/Cryosurgery.
- Electrocoagulation.
- Male and female alopecia.
- Sexually transmitted diseases.
- Child dermatology.
- Aesthetic and Cosmetic Dermatology.
- Chemical peels.
- Surgical treatment of skin cancer.
- Dermatologic Surgery.

16. **DIAGNOSTIC IMAGING**

- Conventional digital radiology.
- **Dental studies.** Intraoral RX, Dentascan, orthopantomograph, cephalometrics.
- **Contrast studies.** Esophageal, gastroduodenal, intestinal, barium enema, enteroclysis, defecography, urography, Hysterosalpingography, sialography, dacriocistography, cistography, etc.
- **Ultrasound and color Doppler.** Abdominal, muscle-skeletal, thyroid, testicular, peripheral vascular, trascranial, eye, etc.
- **Breast studies.** Mammography, breast ultrasound, breast MRI, galactography, guided biopsy samples, toma de biopsias guiadas, sentinel lymph, etc.
- **MRI / Scan.** Muscle-skeletal, abdominal, MRI urography, MRI cholangiography, neurological studies, cardiac MRI, angioresonance, vascular studies, vasculares,
cerebral diffusion and perfusion sequences, tractography, tumor spectroscopy, functional neurological study, prostate spectroscopy, etc.

- **CT.** Cranial, thoracic, abdominal, muscle-skeletal, virtual colonoscopy, angioCT (vascular studies), coronary arteries CT, coronary arteries score, cerebral perfusion, lung nodule analysis, Body CT in 10-12 seconds, workstation with 3D reconstruction programmes, 3D, multiplanar reformatting, etc.

- **Vascular and Interventionist Radiology Theater.** Biopsy samples, percutaneous treatments, intra-arterial chemotherapy, arteriographies, embolizations, collection drainages, intra-arterial prothesis, etc.

### 17. ENDOCRINOLOGY

- Hypothalamus / Pituitary gland.
- Thyroid and thyroid diseases.
- Metabolism bone tissue alterations. Osteoporosis.
- Adrenal glands.
- Female Endocrinology: hirsutism, endocrinologically based menstrual alterations, menopause.
- Male Endocrinology: Hypogonadism. endocrinologically based impotence.
- Sexual differentiation and identity alterations.
- Plasma lipoproteins alterations and other cardiovascular risk factors.
- Endocrine based high blood pressure.
- Obesity.
- Diabetes Mellitus type 1 and 2. Gestational diabetes. Basic and advanced diabetological education.
- Complete check-up for diabetics.
- Hypoglycemia.
- Functional tests for hormone studies.
- Endocrine tumors. Thyroid cancer.
- Clinical nutrition.

### 18. PHYSIOTHERAPY AND REHABILITATION SERVICES

- In- and Out-hospital physiotherapy.
- Trauma physiotherapy: sprains, fractures, muscle contractures, sinew tears, dislocations, tendon injuries, postoperative recovery, prothesis, vertebral pains.
- Rheumatological physiotherapy: arthrosis, arthritis, fibromyalgia, osteoporosis, spondyloarthritis.
- Orthopaedic physiotherapy: scoliosis and other spinal deviations.
- Geriatric physiotherapy: loss of mobility and funcionality in elderly patients.
- Sports physiotherapy: any injury resulting from sport practices.
- Termotherapy (short wave, microwaves, infrared, ultrasounds...).
- Massage therapy.
- Mechanotherapy.
- Electrotherapy.
- Pelvic floor re-education.
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- Road accident unit.

19. GYNECOLOGY AND OBSTETRICS

- Laparoscopic surgery.
- Gynecological exam
- Uterine and ovarian ultrasound.
- Hysteroscopy.
- Gynecologic Oncology.
- Early diagnosis of cancer:
  - Cytology
  - Colposcopy
- Breast Unit:
  - Direct digital mammogram.
  - Breast ultrasound.
  - Breast MRI.
  - Guided puncture biopsy and tumor pathological diagnosis.
- Gynecologic endocrinology.
- Family planning.
- Surgical contraception.
- Essure method.
- Obstetrics:
  - Pre-birth diagnosis.
  - Fetal diagnosis and therapy.
  - Pregnancy monitorization
  - 4D Ultrasound.
- Child and teenage gynecology.

20. HEMATOLOGY AND HEMOTHERAPY

- Erythrocyte Pathology (Anaemia, hyperglobulia, iron deficiency, vitamin B12, folic acid).
- Leucocyte defects (leukemia, lymphoma and myeloma)
- Onco-haematological pathology.
- Haemostasis disorders (Thrombophilia, thrombosis and thrombopenia).
- Blood transfusión associated pathologies.
- Antithrombotic therapy (Sintrom control).
- Autotransfusion.
- Therapeutic bloodletting.
- Autogenic serum.
- Patient pre- and postoperative preparation for surgery without hemoderivatives (Bloodless Surgery Unit).
- Blood bank approved by CRTS.
  - Leukoreduced blood product transfusion (red blood cells, fresh frozen plasma and platelet pool).
21. **HEMODYNAMICS**

- **Invasive additional tests**
  - Diagnostic heart catheterizations, angiographies and coronarographies.
  - Coronary arteries CT for calcium score and coronary stenosis presence assessment.

- **Special therapeutic procedures**
  - Angioplasties and laying of intracoronary stents.
  - Percutaneous dilation of valvular stenosis (valvuloplasty).
  - Closure of birth defects through implantable devices.
  - Intravascular foreign bodies recovery.
  - Intra-aortic balloon pump insertion.
  - External electric cardioversion.

22. **AESTHETIC MEDICINE**

- Treatment of facial wrinkles (Botox).
- Facial wrinkle filling (Hyaluronic acid).
- Lip contouring and augmentation (Hyaluronic acid).
- Facial lipostructure (Hyaluronic acid).
- Facial Mesotherapy or Mesoplasty (Rejuvenation with vitamins y Hyaluronic acid).
- Liquid Lift, V Effect or Ascending Vector (facial bioplasty).
- Chemical Peelings.
- Anti-pigment treatments (Skin spots removals).
- Treatments with growth factors and stem cells-rich plasma.
- Eyebrow tail lifts.
- Rhinoplasty without surgery.
- Neck flaccidity.
- Treatment of the back of the hand.
- Hyperhidrosis (Excessive sweating).
- Varicose veins comprehensive treatment.
- Firming massages and lymphatic drainage.
- Skin revitalization.
- Hair regeneration and implantology.
  - Anti-alopecic hair mesotherapy.
  - Anti-hair loss treatments with PRP.
  - Capillary micro-transplants (F.U.E. technique).
  - Micrografts (F.U.S.S. technique).
  - Body hair transplantation on scars, eyebrows, beard, moustache (B.H.T. technique).

23. **FAMILY MEDICINE**

- Assessment of general acute pathologies.
- Chronic disease monitoring.
- Check-ups.
- Sick leave report management.
- Prescription issuing.
24. INTERNAL MEDICINE AND HEPATOLOGY
- Comprehensive Care tailored to each particular case depending on the age, sex, habits, personal or family history.
- Comprehensive care for older patients with multiple overlapping pathologies.
- Comprehensive care of patients with:
  - Cardiovascular Risk Factors
  - Infectious Diseases
  - Systemic diseases, autoimmune or metabolic origin.
  - Autoimmune diseases and systemic.
- Checkups.

25. NEUMOLOGY
- Prevention, diagnosis and treatment of respiratory diseases.
- Lung cancer
- Chronic obstructive pulmonary disease (COPD).
- Asthma.
- Sleep-disordered breathing (apneas, snoring...).
- Respiratory infections.
- Lung and vascular diseases.
- Functional respiratory exploration (spirometry, flow-volume loop and bronchodilator test).
- Diagnostic and interventionist bronchoscopy (difficult intubation).

26. NEUROSURGICAL SERVICES
- General cranial surgery
  - Comprehensive management of the cranio-encephalic trauma (Brain injury).
  - Brain Tumour surgery.
  - Base of skull surgery.
  - Orbital and Maxillo-Facial combined surgery.
  - Transphenoidal surgery.
  - Biopsy and y Stereotactic Radiosurgery.
  - Chiari management.
  - Craniosinostosis.
- Functional neurosurgery
  - Parkinson’s disease.
  - Dystonia.
  - Tremor.
  - Phantom Limp Pain.
  - Anaesthesia Dolorosa.
  - Post-stroke Pain.
- Deep brain Stimulation.
- Lesional procedures.

**Intracranial vascular neurosurgery**
- Aneurysm and Arterio-venous malformation.
- Stroke and intracranial haemorrhage.

**Neonatal, Child and Adult Hydrocephalus**
- Treatment and management of Hydrocephalus.
- Infusion Test (Katzman diagnostics) for Normal Pressure Hydrocephalus.
- Ventriculo-Peritoneal and Spinal Shunt Surgery.
- Management and Treatment of Idiopathic Intracranial Hypertension.

**Spinal Surgery**

1.- Degenerative and Traumatic pathology
- Slip Disc (cervical, dorsal, lumbar).
- Spondylolisthesis and degenerative conditions.
- Nerve root decompression.
- Prosthetic procedures and minimally invasive spinal surgery.
- Vertebral fractures: Instrumental Arthrodesis and Vertebroplasty.
- Advanced Surgery for traumatic spinal injuries.

2.- Special Vertebral Surgery
- Intraspinal tumour surgery.
- Management of vascular abnormalities and malformations of the spine.
- Management and treatment of infective spinal diseases.
- Stem cell and mechanical implants for intervertebral disc regeneration.
- Management of Syrinx.
- Management of the rheumatoid spine.
- Trans-oral approaches.
- Occipito-Cervical fixation.

3.- Spinal malformations
- Spina bifida and Dysraphism.
- Meningocele.
- Tethered cord.

**Peripheral Nerve Surgery**
- Carpal Tunnel Syndrome (Median nerve decompression).
- Ulnar nerve decompression and transposition.
- Meralgia Paraesthetica.
- Traumatic pathology of the peripheral nerve (repair, transposition...).
- Pain and spasticity management.
- Implantation of cranial and spinal reservoirs and spinal electronic stimulators.
- Intrathecal Infusion Pumps.
- Facial Pain.
- Management and Treatment of Trigeminal Neuralgia.
- Atypical Facial Pain.
- Neuropathic Pain.
- Management of Spastic Cerebral Palsy.
- Physicalm.
• Biopsy
  - Peripheral Nerve, Muscle, Temporal Artery.
• Antenatal Clinic
  - Advice on brain or spinal problems diagnosed during pregnancy.
  - Evaluation, follow-up and therapeutic proposal.
• Stem cells therapy and Cell Medicine Unit.
• Stereotatic radiosurgery.
• Muscle-skeletal and cranio-sacral osteopathy.

27. NEUROLOGY
• Cerebrovascular diseases.
• Seizures and epilepsy.
• Myelin diseases.
• Diseases of the peripheral nervous system.
• Neurodegenerative diseases.
• Neuromuscular diseases.
• Movement disorders.
• Headaches.
• Neuropathic pains.
• Neoplasms.
• Botulinum Toxin application.

28. OPHTHALMOLOGY
• Corneal pathology.
• Lens and anterior segment pathology: Cataracts.
  Cataracts diagnosis and surgical treatment by means of micro-incision phacoemulsification through:
  - Monofocal lenses.
  - Diffractive lenses
  - Toric lenses
• Glaucoma.
• Neuroophthalmology.
• Retina, macula and vitreous diseases. RETINA UNIT.
  - Scleral surgery for retinal detachment.
  - Retinal detachment surgery through vitrectomy.
  - Macula surgery through 25 G micro-incision vitrectomy.
  - Surgery of the complications after cataracts surgical intervention: dislocation of the lens or remnants of cortex, dislocation of intraocular lenses.
  - Vitreoretinal Surgery and uveitis.
  - Medical and surgical treatment of acute, sub-acute and chronic endophthalmitis.
  - Posterior pole trauma surgery.
  - Use of liquid perfluorocarbons and silicone oils.
  - Diode and argon laser treatments.
- Ambulatory use of intravitreal gas.
- Antibiotics, anti-angiogenic and long-lasting anti-inflammatory intravitreal injections.
- Antioxidant administration specific of retinal pathologies

29. OSTEOPATHY
- Backache
- Dizziness (related to cervical)
- Cervical pain
- Low back pain
- Sciatica
- Whiplash
- Stress
- Stiff neck
- Herniated disk (by grade)
- Paresthesias in the hands and feet (numbness)
- Nausea
- Migraines

30. OZONE UNIT
- Intra-articular injections (guided) with ozone and collagen.
- Injections in the joints of the spine or facet locks.
- Articular cleanings.

31. PEDIATRICS
- Hospital interconsultations.
- Healthy child consultation.
- Prenatal visit.
- 24 h Emergency – Observation.
- Vaccination campaign.

32. PODOLOGY
- Chiropody.
- Ingrown toenail.
- Papilloma.
- Walk exploration.

33. PSYCHOLOGY AND PSYCHIATRY
- Adult Mental Health and Hygiene Unit:
  - Adult Psychiatry (Psychosis, Bipolar Disorder, Depression, Anxiety, etc.)
  - Adult Clinical Psychology (Adaptive Disorders, Stress, Depression, Phobias, etc.).
  - Cognitive behavioral Individual therapy.
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- Group Psychotherapy for Dysthymia and Fibromyalgia.
- Posttraumatic Stress Treatment and rehabilitation.
- Sex and marital therapy.
- Psychoeducational group workshops: Bipolar Disorders.
- Neuroleptic Treatment and Nursing in the clinic.
- Food disorders.
- Obesity unit participation.

- Early detection of autism in babies.
- Psychopedagogy disorders in children and adolescents
  - Anxiety-related disorders.
  - Phobias
  - Separation Anxiety
  - Panic attacks
  - Post-traumatic stress.
  - Obsessive compulsive disorder.
  - Repetitive behaviors
  - Ruminative thoughts
  - Depression and socialization problems.
  - Sadness
  - Demotivation
  - Eating and sleeping disorders
  - Behavioral problems.
  - Oppositional behavior
  - Tantrums
  - Aggressiveness
  - Persistent disobedience
  - Mental Retardation Problems
  - Disruptive behavior
  - Autism and childhood psychosis.
  - Physical, psychological and emotional disorders.
  - Psychosomatic disorders.
  - Mistreatment, abuse and neglect.
  - Clinical psychopedagogy.

- Psychopedagogy disorders in children and adolescents.
  - School failure.
  - Attention Deficit Hyperactivity Disorder.
  - Language and learning disorders.
  - Overload and over-excitement problems in children.
  - Verbal, numerical and abstract reasoning problems.

34. RHEUMATOLOGY

- General Rheumatology.
- Study and treatment of inflammatory pathologies: rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis, juvenile arthritis.
- **Study and treatment of systemic pathologies**: Lupus erythematosus, Sjögren, systemic sclerosis, Vasculitis, myopathies or Raynaud’s phenomenon.
- **Study and treatment of metabolic arthropathies**: Gout, chondrocalcinosis.
- **Arthrosis** (knees, hands, hips, spine).
- **Osteoporosis**.
- **Study and treatment of Fibromyalgia.** Differential diagnosis with other diseases which may present the same symptoms.
- **Rheumatic Polimyalgia.**
- **Pathologies related to possible rheumatic diseases**: Psoriasis, Uveitis/Episcleritis, intestinal inflammatory disease such as Crohn dis. or ulcerative colitis.
- **Other pathologies**: Tendinitis, soft tissues pathology, lower back pain, patología de partes blandas, lumbalgia, cervicalgia, shoulder pain, chronic pain....

### 35. INTENSIVE CARE UNIT
- Inpatients Care and control.
- Basic and advanced cardiopulmonary resuscitation.
- Heart massage.
- Defibrillation and cardioversion.
- Use of vasoactive and antiarrhythmic medication.
- Assisted inpatient transportation.
- Haemodynamic monitoring.
- Cardiovascular defects treatment.
- Cardiac and hemodynamic monitoring.
- ECG monitoring.
- Pressure monitoring.
- Mixed venous saturation.
- Cardiac output.
- Temperature monitoring.
- Ischemic cardiopathology and respiratory failure management.
- Fibrinolytic Treatment.
- Control and treatment of arrhythmias.
- Pharmacological hemodynamic assistance.
- Complete rhythm and conduction care.
- Temporary and permanent pacemaker insertion
- Acute respiratory failure, monitoring and diagnostic and therapeutic techniques.
- Mechanical ventilation.
- Non invasive mechanical ventilation.
- Establishing and care for tracheotomy.
- Fibrobronchoscopy.
- Enteral and/or parenteral nutrition control.
- Diagnosis and Treatment of Severe Disorders: Endocrinology, acid-alkaline balance or electrolytes.
- Diagnosis and Treatment of intoxications.
- Extrarenal purification.
- Trauma patient immediate and permanent care.
CHIP HOSPITAL’S CATALOGUE OF SERVICES

- Severe spinal injury care.
- Thoracic and pericardial puncture and drainage.
- Peritoneal puncture-lavage.
- Catheterising lines and dialysis catheter.
- Preoperative and postoperative maintenance of high risk patient: Thoracic surgery, maxillofacial surgery, neurosurgery, complex digestive surgery.
- Multi-organ dysfunction and multi-organ failure care.

36. EMERGENCY UNIT
- 24 hours adult and child emergency unit.
- On-site basic analytic determinations.
- Tube placement.
- Stitches.
- Nasal packing.
- Removal of foreign bodies.
- Initial attention of polytraumatized patient.
- Assisted inpatient transportation.
- Permanent monitoring.
- Cardiopulmonary resuscitation.

37. UROLOGY
- Urological ultrasound.
- Ultrasound and ultrasound-guided transrectal prostate biopsy.
- Ureteroscopy, rigid ureteroscopy.
- Vasectomy.
- Prostate checkups.
- Andrology.
- Study and Treatment of erectile dysfunction.
- Premature ejaculation.
- Prosthetic penis, penile curvature surgery.
- Pelvic floor surgery, prosthetics TOT and TVT.
- Phimosis - Circumcision.
- Hydrocele.
- Varicocele - Via conventional open, laparoscopic, and microscopic embolization.
- Laparoscopic Surgery.
  - Prostate.
  - Renal and adrenal.
  - Bladder.
  - Ureteral.
- Fistulas.
- Retroperitoneal lymphadenectomy.
- Renal embolization.
- Urethroplasty - Open flap, end to end.
• Endouretrales prosthesis.
• Transurethral resection of prostate.
• Green Laser.
• TURis.
• Transurethral resection of bladder tumors.
• Cystoscopy - Flexible Cystoscopy.