

NEPHROLOGY AND KIDNEY TRANSPLANT

Clinical activities

Diagnosis and therapy of acquired and congenital nephropathies of the paediatric age:

- primitive and secondary glomerulopathies (nephrotic syndrome, glomerulonephritis at iga deposits, focal and segmental sclerosis, LES, Schoenlein-Henoch syndrome, etc.);
- primitive tubulopathy (Fanconi Syndrome, Bartter Syndrome, Dent Syndrome, renal tubular acidosis, Lowe's disease, etc.);
- nephrophenosis - cystic cord disease - family fibrosis;
- nephrolithiasis or nephrolithiasis;
- malformations of the kidney and of the urinary tract;
- among the aspects that characterise the clinical activity of the Unit, there's the conservative treatment of chronic renal insufficiency through dietary therapy, pharmacological and hormone replacement;
- Innovative treatments of nephrotic syndrome.

Diagnosis uses advanced molecular tests and pathological analysis:

- renal function tests, tests for tubular function, etc.;
- clinical and molecular diagnosis of genetic nephropathies;
- immunological, histological and immunohistological evaluation of primitive and secondary glomerular diseases by performing ecoguided renal biopsy;
- ultrasound examinations of the urinary tract and cysteanography

Dialysis section:

- treatment of the different forms of acute renal insufficiency both primitive and secondary to neoplastic or postsurgical pathologies with also the adoption of continuous filtration techniques;
- Replacement treatment of the child's end-stage renal failure using different techniques of extracorporeal dialysis (bicarbonate dialysis, haemodialysis, etc.) and automated home-based chronic peritoneal dialysis techniques using different personalised patterns; dialysis efficiency study using peritoneal balancing tests.

Pre and post-transplant assistance section:

- preparation of recipients for kidney transplantation from cadaver donors;
- preparation of recipients and donors in case of kidney donation from an alive donor;
- assistance in post-transplantation in early stages and long-term follow-up;
- the application of new immunosuppressive therapy schemes;
- study and treatment of post-transplant viral complications related to immunosuppressive therapy, (EBV, CMV, BKV).

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