

Pediatric ESRD Renal Transplant Fact Sheet

ANNA

**American
Nephrology
Nurses'
Association**

*Developed by:
ANNA Pediatric Nephrology
Specialty Practice Network*

ANNA's Mission Statement

*ANNA promotes excellence in and
appreciation of nephrology nursing so
we can make a positive difference for
people with kidney disease.*

Additional Information:

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CHRONIC KIDNEY DISEASE STAGE 5 – WHAT IS IT?

Chronic kidney disease (CKD) stage 5 may occur as a result of many systemic disorders or congenital malformations. Children with CKD stage 5 (also known as End Stage Renal Disease – ESRD) may experience fatigue, sluggishness, decreased urine output, anemia, bone disease and hypertension. The treatment involves the use of medication, special diet, and dialysis or transplantation.

AFTER KIDNEY TRANSPLANT

Posttransplant patients require close observation for signs and symptoms of infection due to their immunosuppressed state. Fever should be reported to the Nephrologist or transplant team immediately. In addition, any exposure to community acquired diseases, such as influenza, measles, chicken pox should also be reported.

Symptoms of organ rejection may resemble symptoms of infection. The transplant team and Nephrologist should be notified of fever, malaise, unexplained weight gain, or pain over the kidney transplant.

Children with a kidney transplant should be encouraged to participate in physical activities. However, it is recommended that they not participate in direct contact sports that could cause trauma to the transplanted kidney, located in the lower abdominal region. For other sports with potential for trauma, a kidney protector is recommended. Hydration is important, particularly soon after the transplant. Children in school should have ready access to water and bathroom privileges.

GENERAL TRANSPLANT MEDICATIONS

On the following page, please find a list of common medications prescribed for transplant patients.

Medication	Brand	Use	Things to Remember
Acyclovir capsule: 200 mg tablet: 400 mg, 800 mg liquid: 40 mg/ml	Zovirax™	To prevent a viral infection	Take with food/milk to prevent stomach upset. Maintain hydration.
Amlodipine tablet: 2.5 mg, 5 mg, 10 mg	Norvasc™	To control blood pressure	Proper oral hygiene is important. Can cause gingivitis.
Aspirin tablet: 80 mg (thin blood)		For anticoagulation (thin blood)	Take with food/milk to prevent stomach upset
Azathioprine tablet: 50 mg	Imuran™	To prevent organ rejection	White blood cell count will be monitored.
Cotrimoxazole single strength tablets (80 mg trimethoprim) double strength tablets (160 mg trimethoprim) suspension: 8 mg TMP/ml	Bactrim™ Septra™	To prevent a bacterial infection	Use sunscreen to prevent sunburn.
Cyclosporine capsule 25 mg, 50 mg, 100 mg liquid 100 mg/ml	Sandimmune™ Neoral™ Generic	To prevent rejection	Levels will be drawn before the morning dose.
Famotidine Tablet: 20 mg, 40 mg Liquid: 8 mg/ml	Pepcid™	To prevent a stomach ulcer	Do not take with antacids (for example, Maalox™, Mylanta™).
Ganciclovir capsule: 250 mg, 500 mg	Cytovene	To prevent a viral infection	Take with food. If open capsule, wear gloves and mask. Maintain hydration
Iron Supplements Ferrous Sulfate Drops 25 mg/ml elemental iron Iron-polysaccharide complex -150 mg/cap elemental iron -20 mg/ml elemental iron	Fer-In-Sol™ Niferex-150™ Niferex™	To replace iron	Take after meals. Do NOT give with calcium or other dairy products (such as milk, yogurt, cheese).

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Medication	Brand	Use	Things to Remember
Magnesium Supplement Magnesium Gluconate Tablet: 500 mg = 27 mg elemental Magnesium Liquid: 1000 mg/5 ml = 54 mg elemental Magnesium/5 ml	Magonate	To replace magnesium	
Mycophenolate Capsule: 250 mg Tablet: 500 mg Liquid: 200 mg/ml	CellCept™	To prevent rejection	Take on an empty stomach; white blood cells will be monitored; if capsules opened, wear gloves and mask; refrigerate oral liquid.
Nifedipine Tablet: extended release 30 mg, 60 mg Capsule: rapid release 10 mg	Procardia XL™ Adalat-CC™ Adalat Procardia	To control blood pressure	Do NOT crush extended release tablets. Liquid may be withdrawn from capsules.
Nystatin Suspension 100,000 units/ml	Mycostatin Nilstat	To prevent a fungal infection	Swish and swallow, or swab to mouth. Do not eat or drink for 15 minutes after dose.
Phosphate replacement NeutraPhos 8 mmol phosphate/packet K-Phos 8 mmol phosphate/packet or K-Phos Tablets	Neutra-Phos™ K-Phos Neutral™	To replace phosphate	Dissolve packets in water as instructed on packet. Do NOT give with calcium or with dairy products (such as milk, yogurt, or cheese).
Prednisolone Liquid 1 mg/ml, 3 mg/ml	Prelone™	To prevent rejection	Take with food to avoid stomach upset. Dose will taper over time.
Prednisone Tablets: 1 mg, 2.5 mg, 5 mg, 10 mg, 20 mg and 50 mg Liquid: 5 mg/ml	Deltasone™ Orasone™ IntenSol™	To prevent rejection	Take with food to avoid stomach upset. Dose will taper over time.
Ranitidine Tablets: 75 mg, 150 mg Liquid: 15 mg/ml	Zantac™	To prevent a stomach ulcer	Do not take with antacids (for example, Maalox, Mylanta).
Sodium Bicarbonate Tablet: 325 mg, 650 mg		To replace bicarbonate	Do not take with Ranitidine or Famotidine.
Tacrolimus Capsules: 0.5 mg, 1 mg, 5 mg Liquid: 0.5 mg/ml	Prograf™	To prevent rejection	Take on an empty stomach. Levels will be drawn before the morning dose.

_____ is a student at your school and is being treated at
_____ following a renal transplant performed at
_____.

His/her primary cause of renal failure was _____. You will receive detailed instructions if your student requires medications to be given at school.

Other Questions: Please notify the Transplant Center if there are any infectious disease concerns at your school.

Transplant Center phone # _____ **Fax#** _____

For more information on patients with renal disease or the exciting field of nephrology nursing please log on to annanurse.org. You will also find links to other kidney-related Web sites from this site.

Other Questions:

For questions and/or concerns please contact us at 1-888-600-2662

For more information about nephrology nursing, dialysis, transplantation, or other renal disorders, check out the American Nephrology Nurses' Association (ANNA) Web site at annanurse.org.

