

## Kidney Transplant Protocol

### Immunosuppression <sup>3</sup>

1. Thymoglobulin ~~4-6 mg/kg~~ (nearest 25 mg, max 150 mg) intraop and days 1-2  
 Dosing Adjustments  
 Hold dose – Platelets <50,000/mm<sup>3</sup> or WBC <2,000/mm<sup>3</sup>  
 Decrease by half – Platelets 50,000-75,000/mm<sup>3</sup> or WBC 2,000-3,000/mm<sup>3</sup>
2. Methylprednisolone/ prednisone taper  
 Pre-op 7 mg/kg intravenous (Max. ~~1000mg~~) 500  
 Days 1-3 1 mg/kg/d (Max. ~~100mg~~) 80  
 Days 4-14 0.5 mg/kg/d  
 Week 3 25 mg/d  
 Week 4 20 mg/d  
 Week 5 15 mg/d  
 Week 6 12.5 mg/d  
 Week 7 10 mg/d  
 Week 8 7.5 mg/d

3. Antimetabolite  
 Azathioprine 5 mg/kg/d po days 0-2, then 2.5 mg/kg/d po qd  
 Mycophenolate 1 gm po bid (2nd tx, +Bcell, immunologic disease, gout, PRA>20%)
4. Calcineurin inhibitor (Assess patient's renal function prior to starting)  
 FK 0.05mg/kg BID starting on POD 1 and aim FK level 6-10 ng/mL OR  
 Cyclosporine 4 mg/kg BID starting POD 1 and trough level 250-350 ng/mL months 0-3, then ~~250-350~~ ng/mL thereafter or peak level 1000-1200 ng/mL months 0-3, then 600-1000 ng/mL thereafter

### Prophylactic medications <sup>7-8-9</sup>

1. Surgical prophylaxis Cefazolin 1g IV q12h for 48 hours (if not allergic to penicillin)
2. Viral prophylaxis  
 If D+/R- Valganciclovir or Ganciclovir 1g PO TID for 4 months <sup>9</sup>  
 If D+/R+ Valganciclovir or Ganciclovir 1g PO TID for 6 months  
 If D-/R+ Valganciclovir or Ganciclovir 1g PO TID for 3 months  
 If D-/R- Acyclovir 200mg PO BID for 3 months

#### Valganciclovir dosing adjustments

CrCl (ml/min)	Treatment	Prophylaxis
>60	900 mg bid	900 mg qd
40-59	450 mg bid	450 mg qd
25-39	450 mg qd	450 mg every 2 days
10-24	450 mg every 2 days	450 mg twice weekly
< 10	IV ganciclovir	IV ganciclovir

4. EBV prophylaxis If D+/R- or D?/R-, then after completion of CMV prophylaxis, lifetime acyclovir 200 mg PO BID
3. Fungal prophylaxis Nystatin ~~swish and swallow 5 cc QID for 3 months~~ <sup>20</sup>
4. PCP prophylaxis Septra ~~1~~ PO QHS <sup>20</sup>  
 Pentamidine 300mg inhaled q month OR  
 Dapsone 50 mg po QD (if sulfa allergy)
5. Ulcer prophylaxis Pepcid 20 mg po QD

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