

Target Population: adult patients with history of an abdominal organ transplant who require immunosuppressive medications

Full Guideline: [Abdominal Transplant Immunosuppression Management - Adult - Inpatient/Ambulatory](#)

Guideline Overview

- Objective: to provide recommendations for managing immunosuppressive medications in patients with a history of abdominal transplant (i.e. kidney, liver, pancreas) which will facilitate decision making for physicians, mid-level providers, pharmacists, and nursing staff
- Drug information is organized by the organ transplanted and includes dosing, target blood levels, common drug interactions, necessary monitoring, and common adverse effects

Drugs for maintenance immunosuppression

- Azathioprine
- Belatacept
- Cyclosporine
- Everolimus
- Mycophenolate
- Prednisone
- Sirolimus
- Tacrolimus

Drugs for renal transplant induction, desensitization, and rejection

- Alemtuzumab
- Basiliximab
- Dexamethasone
- IVIG
- Rituximab
- Thymoglobulin

Recommendations are based on long-standing clinical experience and are supported by very low quality evidence.

Collateral Tools and Resources

Order sets and smart sets

- IP - Pancreas Transplant - Adult - Postoperative [2889]
- IP - Renal Transplant Recipient - Adult - Postoperative [2895]
- IP - Renal/Pancreas Transplant - Rejection - Adult - Medical Admission [766]
- IP - Liver Transplant - Adult - Intensive Care Unit - Postoperative [2885]
- IP - Renal and Pancreas Transplant - Adult - Postoperative [2927]
- IP - Transplant - Immunosuppression - Antithymocyte Globulin (Rabbit) - Adult - Supplemental [771]

References

1. Kidney Disease: Improving Global Outcomes Transplant Work G. KDIGO clinical practice guideline for the care of kidney transplant recipients. *Am J Transplant.* 2009;9 Suppl 3:S1-155.
2. Ekberg H, Tedesco-Silva H, Demirbas A, et al. Reduced exposure to calcineurin inhibitors in renal transplantation. *N Engl J Med.* 2007;357(25):2562-2575.
3. Hanaway MJ, Woodle ES, Mulgaonkar S, et al. Alemtuzumab induction in renal transplantation. *N Engl J Med.* 2011;364(20):1909-1919.
4. Lucey MR, Terrault N, Ojo L, et al. Long-term management of the successful adult liver transplant: 2012 practice guideline by the American Association for the Study of Liver Diseases and the American Society of Transplantation. *Liver Transpl.* 2013;19(1):3-26.
5. Scott LJ, McKeage K, Keam SJ, Plosker GL. Tacrolimus: a further update of its use in the management of organ transplantation. *Drugs.* 2003;63(12):1247-1297.