Appendix 1: Search strategy and data abstraction form [posted as supplied by author]

Search Strategy

37 tacrolimus/ (63292) 38 Tacrolimus.tw. (28711)

Database: Embase Classic+Embase <1947 to 2014 March 05>, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) <1946 to

Present> Search Strategy: 1 Prograf.ti,ab. (602) 2 Cellcept.tw. (2811) 3 Myfortic.tw. (520) 4 Neoral.tw. (5384) 5 gengraf.tw. (160) 6 Rapamune.tw. (1507) 7 mycophenolic acid delayed release.tw. (0) 8 Drugs, Generic/ (12249) 9 generic.tw. (61271) 10 or/1-9 (76022) 11 Tacrolimus/ (63292) 12 tacrolimus.tw. (28711) 13 Mycophenolic Acid/ or mycophenolate mofetil.tw. (27000) 14 Cyclosporine/ (90309) 15 (Cyclosporine or Ciclosporin).tw. (62527) 16 Sirolimus/ (47640) 17 Sirolimus.tw. (14972) 18 brand name\$.tw. (3182) 19 or/11-18 (214342) 20 10 and 19 (9511) 21 organ transplantation/ or exp heart transplantation/ or exp kidney transplantation/ or liver transplantation/ or exp lung transplantation/ (421784) 22 ((organ or kidney or renal or heart or cardiac or liver or hepatic or lung or pulmonary) adj2 (transplant\$ or graft\$)).tw. (366639) 23 21 or 22 (488772) 24 20 and 23 (5265) 25 limit 24 to yr="1980 - 2014" (5259) 26 25 use prmz (1058) Medline 27 prograf.ti,ab. (602) 28 Cellcept.ti,ab. (481) 29 Myfortic.ti,ab. (171) 30 Neoral.ti,ab. (2205) 31 gengraf.ti,ab. (19) 32 Rapamune.ti,ab. (256) 33 mycophenolic acid delayed release.ti,ab. (0) 34 *generic drug/ (6271) 35 generic.tw. (61271) 36 or/27-35 (66509)

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39 mycophenolic acid 2 morpholinoethyl ester/ (33579)
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- 40 (mycophenolate mofetil or Mycophenolic acid).tw. (20317)
- 41 cyclosporin/ (90309)
- 42 (Cyclosporine or Ciclosporin).tw. (62527)
- 43 Sirolimus.tw. (14972)
- 44 brand name\$.tw. (3182)
- 45 or/37-44 (194781)
- 46 36 and 45 (4869)
- 47 organ transplantation/ or heart transplantation/ or kidney transplantation/ or liver transplantation/ or lung transplantation/ (401807)
- 48 ((organ or kidney or renal or heart or cardiac or liver or hepatic or lung or pulmonary) adj2 (transplant\$ or graft\$)).tw. (366639)
- 49 47 or 48 (482876)
- 50 46 and 49 (2430)
- 51 limit 50 to yr="1980 2014" (2424)
- 52 51 use emczd (1380) Embase
- 53 26 or 52 (2438)
- 54 remove duplicates from 53 (1559)

Search was repeated September 4th, 2014

Data abstraction form

Generic Immunosuppressan	t Review: l	Data Abstr	action Form	1
Reviewer's Initials:	Refe	rence ID Nu	ımber	
Lead Author:				
Journal:		Y	ear:	<u>—</u> -
Language of Publication:	1. Englis	h	2. Other (spe	ecify)
Country(ies) of Study Origin: _	Leba	anon		
Immunosuppressants Compa Trade Name	ared in the	-	_	c name of generic,
 Prograf Cellcept Neoral 		2.	tacrolimus mycopheno cyclosporin	lic acid le (microemulsion)
Patients Included in the Stud	ly			
Transplant Organ: Lung	Liver	Kidney	Pancreas	Heart
Other:				
New Transplants: yes no				
Pediatric	Adult			
Type of Study Experimental				
 Randomized parallel gro Cross over trial Planned before/after (ie Other: 	e investigat	cors switche	ed the drug)	

Observational

- Cohort, prospective
 Cohort, retrospective

 Before/after prospective Before/after retrospective Other (specify) 	
For before/after studies, was there one to one dose conversion (y/n) Were dose titrations allowed (y/n) Were target drug levels reported in the study?	
If the study has more than one relevant time period, please record data fo both/all	r
Drug Dosages and Monitoring If not reported, write n/a	
Generic Drug Group	
Dose or weight normalized dose (circle one): Mean (SD) or Median (IQ (circle one)	R)
(time period) p value	
(time period) p value	
(time period) p value (record units)	
Number of patients requiring a change in dosage:	
Dose increased Dose decreased	
Drug level: How specifically was drug level reported (ie dose normalized level trough, C2)?	≀el,
Mean (SD) or Median (IQR) (circle one)	
(time period) p value	
(time period) p value	
(time period) p value (record units)	

Trade Name Drug Group

Dose or weight normalized dose (circle one): Mean (SD) or Median (IQR)

(time period) (time period)	
(time period)	
(record units)	
Number of patients requiring a change in dosage:	
Drug level: How specifically was drug level reported	?
Mean (SD) or Median (IQR) (circle one)	_ (record units)
(time period)	
(time period)	
(time period) (record units)	
comes	
ore than one relevant time period or type of transpl	ant, record that data al or type of transplant

Please report data for all continuous variables as Mean (+/- Standard Deviation)

Variable	Generic	Trade	P	Total	Follow
	group	Name	value		up time
		group			
Subjects					
enrolled (n)					
Subjects					
analyzed (n)					
Men/Women					
Age					
Acute rejection					
(n)					
Graft loss (n)					
Infection (n)					
Death (n)					

Please report data for all continuous variables as Mean (+/- Standard Deviation)

Variabl	e (Generic	Trade	P	Total	Follow
		group	Name	value		up time

	group		
Subjects			
enrolled (n)			
Subjects			
analyzed (n)			
Men/Women			
Age			
Acute rejection			
(n)*			
Graft loss (n)			
Infection (n)			
Death (n)			

^{*}Record how this was defined (ie biopsy proven)

Renal Function

If more than one relevant time period or type of transplant, record that data above the table and fill in one table for each time period and/or type of transplant

Please report data for all continuous variables as Mean (+/- Standard Deviation)

Variable	Generic	Trade Name	Follow up	P value
	group	group	time*	
Absolute creatinine				
(units)				
Absolute eGFR				

Please report data for all continuous variables as Mean (+/- Standard Deviation)

Variable	Generic group	Trade Name group	Follow up time	P value
Absolute creatinine				
(units)				
Absolute eGFR				

For Bioequivalence Studies Only

Please report data for all continuous variables as Mean (+/- Standard Deviation)

Variable	Generic group	Trade Name	P value
		group	
AUC ()*			
C _{max}			
T max			
C_0			

^{*(}record time period)

C _{max} mean ratio (90% CI)	AUC mean ratio (90% CI)
C ₀ mean ratio (90% CI)	
Quality Assessment	
For RCT's, fill out the Cochrane Risk of Bias Asso	essment Tool
Wells et al. criteria for observational studies	