Supplemental Methods

A formal systematic review was conducted to identify randomized control trials that met one of the following study criteria:

(a) An RCT beyond 6 months post-transplant that directly compares TAC/MMF/Steroid to MMF/Steroid after documenting immune quiescence with a surveillance biopsy prior to TAC withdrawal;

or

(b) An RCT containing at least one arm on TAC/MMF/Steroid with a surveillance biopsy at 6 months post-transplant and with at least 24-month outcome data.

The search strategy for Medline is outlined below. In addition, we searched Embase, and Cochrane Central.

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to April 24, 2020>

Search Strategy:

1 (controlled clinical trial or randomized controlled trial or multicenter study).pt. (777781)
2 clinical trials as topic.sh. (190898)
3 (randomized or randomly or RCT$1 or placebo*).tw. (964312)
4 ((singl* or doubl* or trebl* or tripl*) adj (mask* or blind* or dumm*)).tw. (171327)
5 trial.ti. (216895)
6 or/1-5 [RCT] (1513305)
7 kidney transplantation/ (94578)
8 ((kidney* or renal) adj3 (transplant* or allotransplant* or allograft* or graft* or reject*)).ti,ab,kw. (95200)
9 ((kidney* or renal) adj3 (posttransplant* or post-transplant*)).ti,ab,kw. (1410)
10 or/7-9 [Kidney transplantation] (117121)
11 tacrolimus/ (15761)
12 (tacrolimus or prograf* or astagraf or advagraf or envarsus or hecoria or modigraf or tacforius or fr-900506 or fr 900506 or fr900506 or fr-506 or fk 506 or fk506).ti,ab,kw. (22376)
13 or/11-12 [Tacrolimus] (25230)
14 6 and 10 and 13 (1249)
15 exp animals/ not humans.sh. (4693132)
16 (exp infant/ or exp child/ or adolescent/) not exp adult/ (1862186)
17 case study/ or letter/ or abstract report/ or case report.tw. (3007872)
18 (catalogs or comment or conference proceeding or conference abstract or editorial or essays or guidebooks or handbooks or historical article or interview or journal correspondence or lectures or meeting abstracts or news or newspaper article or note or posters or short survey).pt. (1768871)
19 (letter not (letter and randomized controlled trial)).pt. (1067257)
20 ((review or systematic review) not (controlled clinical trial or randomized controlled trial or multicenter study)).pt. (2663045)
21 or/15-20 (12458763)
22 14 not 21 (1044)
The search strategy resulted in 4,768 records being retrieved, of which 1,447 were excluded as duplicate records, and 1460 records were excluded based on study design, publication type or language. This left 1,861 unique records to be screened for eligibility (Figure 1).

**Figure 1. Modified PRISMA flow-chart**

The initial screening resulted in 463 articles that advanced to full text assessment of which 4 met eligibility criteria and were included in the current study. These 4 RCTs had access to patient level data (publicly available or through contact with the study authors).