**Efficacy of educational interventions in improving measures of living donor kidney transplantation
activity: A systematic review and meta-analysis**

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Table S1. Search strategies.

Medline via Ovid (Originally conducted January 12, 2017, and updated November 9, 2017)

1946 to 2017-11-09

#	Searches	Results
1	exp kidney transplantation/	92 916
2	exp kidney/tr	78
3	((kidney* or renal) adj3 (allotransplant* or transplant* or allograft* or graft* or donor* or donat*)).tw,kf.	94 344
4	1 or 2 or 3	114 678
5	exp Tissue Donors/ or exp "Tissue and Organ Procurement"/	76 880
6	((live or living or alive or unspecified or unrelated or un-related or un-specified or altruis* or non-direct* or nondirect*) adj4 (donor* or donat*)).tw,kf.	23 847
7	5 or 6	86 696
8	4 and 7	20 327
9	health education/ or patient education as topic/	141 716
10	attitude to health/ or health knowledge, attitudes, practice/	177 385
11	((patient* or family or families or donor* or donat*) adj4 (educat* or instruct* or teach* or inform* or knowledg* or learn* or counsel* or advocat*)).tw,kf.	183 828
12	((educat* or outreach) adj3 (interven* or program* or session*)).tw,kf.	68 758
13	9 or 10 or 11 or 12	48 9189
14	8 and 13	997
15	remove duplicates from 14	955

Embase via Ovid (Originally conducted January 12, 2017, and updated November 9, 2017)

1947 to 2017-11-08

#	Search	Results
1	exp kidney transplantation/	139 850
2	((kidney* or renal) adj3 (allotransplant* or transplant* or allograft* or graft* or donor* or donat*)).tw,kw.	131 721
3	1 or 2	160 461
4	kidney donor/ or living Donor/	32 100
5	((live or living or alive or unspecified or unrelated or un-related or un-specified or altruis* or non-direct* or nondirect*) adj4 (donor* or donat*)).tw,kw.	41 734
6	4 or 5	52 084
7	3 and 6	22 253
8	health education/ or patient education/	189 443
9	attitude to health/	98 322
10	((patient* or family or families or donor* or donat*) adj4 (educat* or instruct* or teach* or inform* or knowledg* or learn* or counsel* or advocat*)).tw,kw.	269 622
11	((educat* or outreach) adj3 (interven* or program* or session*)).tw,kw.	86 223

12	8 or 9 or 10 or 11	558 836
13	7 and 12	1184
14	remove duplicates from 13	1151

Biosis Previews (Originally conducted January 12, 2017, and updated November 9, 2017)
1969 to 2017

#	Search	Results
1	((kidney* or renal) adj3 (allotransplant* or transplant* or allograft* or graft* or donor* or donat*)).ti,ab,mi.	71 548
2	((live or living or alive or unspecified or unrelated or un-related or un-specified or altruis* or non-direct* or nondirect*) adj4 (donor* or donat*)).ti,ab,mi.	18 088
3	((patient* or family or families or donor* or donat*) adj4 (educat* or instruct* or teach* or inform* or knowledg* or learn* or counsel* or advocat*)).ti,ab,mi.	68 377
4	((educat* or outreach) adj3 (interven* or program* or session*)).ti,ab,mi.	24 999
5	3 or 4	90 688
6	1 and 2 and 5	163
7	remove duplicates from 6	150

CINAHL (Originally conducted January 12, 2017, and updated November 9, 2017)

1937 to 2017

#	Query	Results
S17	S9 AND S16	192
S16	S10 OR S11 OR S12 OR S13 OR S14 OR S15	219 647
S15	TI (((educat* or outreach) N3 (interven* or program* or session*))) OR AB (((educat* or outreach) N3 (interven* or program* or session*)))	38 636
S14	TI (((patient* or family or families or donor* or donat*) N4 (educat* or instruct* or teach* or inform* or knowledg* or learn* or counsel* or advocat*))) OR AB (((patient* or family or families or donor* or donat*) N4 (educat* or instruct* or teach* or inform* or knowledg* or learn* or counsel* or advocat*)))	80 106
S13	(MH "Health Knowledge")	20 946
S12	(MH "Attitude to Health") OR (MH "Health Beliefs")	43 704
S11	(MH "Patient Education")	54 949
S10	(MH "Health Education")	20 785
S9	S4 AND S8	1703
S8	S5 OR S6 OR S7	8062
S7	TI (((live or living or alive or unspecified or unrelated or un-related or un-specified or altruis* or non-direct* or nondirect*) N4 (donor* or donat*))) OR AB (((live or living or alive or unspecified or unrelated or un-related or un-specified or altruis* or non-direct* or nondirect*) N4 (donor* or donat*)))	2194
S6	(MH "Organ Procurement+")	5723
S5	(MH "Living Donors")	1533
S4	S1 OR S2 OR S3	10 925
S3	TI (((kidney* or renal) N3 (allotransplant* or transplant* or allograft* or graft* or donor* or donat*))) OR AB (((kidney* or renal) N3 (allotransplant* or transplant* or allograft* or graft* or donor* or donat*)))	8334
S2	(MH "Kidney+/TR")	2

S1	(MH "Kidney Transplantation+")	8284
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Cochrane Library (Originally conducted January 12, 2017, and updated November 9, 2017)

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ID	SEARCH	HITS
#1	((kidney* or renal) near/3 (allotransplant* or transplant* or allograft* or graft* or donor* or donat*)):ti,ab,kw	8457
#2	((live or living or alive or unspecified or unrelated or un-related or un-specified or altruis* or non-direct* or nondirect*) near/4 (donor* or donat*)):ti,ab,kw	1405
#3	((patient* or family or families or donor* or donat*) near/4 (educat* or instruct* or teach* or inform* or knowledg* or learn* or counsel* or advocat*)):ti,ab,kw	30 009
#4	((educat* or outreach) near/3 (interven* or program* or session*)):ti,ab,kw	12 506
#5	#3 or #4	37 884
#6	#1 and #2 and #5	67

Web of Science (Originally conducted - January 12, 2017 & Updated - November 9, 2017)

1900 to 2017

ID	Search	Hits
# 6	#5 AND #2 AND #1	548
# 5	#4 OR #3	243 377
# 4	TS=((educat* or outreach) near/3 (interven* or program* or session*))	83 724
# 3	TS=((patient* or family or families or donor* or donat*) near/4 (educat* or instruct* or teach* or inform* or knowledg* or learn* or counsel* or advocat*))	169 044
# 2	TS=((live or living or alive or unspecified or unrelated or un-related or un-specified or altruis* or non-direct* or nondirect*) near/4 (donor* or donat*))	31 405
# 1	TS=((kidney* or renal) near/3 (allotransplant* or transplant* or allograft* or graft* or donor* or donat*))	126 677

Scopus (Originally conducted - January 12, 2017 & Updated - November 9, 2017)

1823 to 2017

ID	Search	Hits
	(TITLE-ABS-KEY ((kidney* OR renal) W/3 (allotransplant* OR transplant* OR allograft* OR graft* OR donor* OR donat*))) AND (TITLE-ABS-KEY ((live OR living OR alive OR unspecified OR unrelated OR un-related OR un-specified OR altruis* OR non-direct* OR nondirect*) W/4 (donor* OR donat*))) AND (((TITLE-ABS-KEY ((patient* OR family OR families OR donor* OR donat*) W/4 (educat* OR instruct* OR teach* OR inform* OR knowledg* OR learn* OR counsel* OR advocat*))) OR (TITLE-ABS-KEY ((educat* OR outreach) W/3 (interven* OR program* OR session*))))) AND (LIMIT-TO (PUBYEAR , 2017))	41
6	(TITLE-ABS-KEY ((kidney* OR renal) W/3 (allotransplant* OR transplant* OR allograft* OR graft* OR donor* OR donat*))) AND (TITLE-ABS-KEY ((live OR living OR alive OR unspecified OR unrelated OR un-related OR un-specified OR altruis* OR non-direct* OR nondirect*) W/4 (donor* OR donat*))) AND (((TITLE-ABS-KEY ((patient* OR family OR families OR donor* OR donat*) W/4 (educat* OR instruct* OR teach* OR inform* OR knowledg* OR learn* OR counsel* OR advocat*))) OR (TITLE-ABS-KEY ((educat* OR outreach) W/3 (interven* OR program* OR session*)))))	790

5	((TITLE-ABS-KEY ((patient* OR family OR families OR donor* OR donat*) W/4 (educat* OR instruct* OR teach* OR inform* OR knowledg* OR learn* OR counsel* OR advocat*))) OR (TITLE-ABS-KEY ((educat* OR outreach) W/3 (interven* OR program* OR session*))))	546 286
4	TITLE-ABS-KEY ((educat* OR outreach) W/3 (interven* OR program* OR session*))	165 455
3	TITLE-ABS-KEY ((patient* OR family OR families OR donor* OR donat*) W/4 (educat* OR instruct* OR teach* OR inform* OR knowledg* OR learn* OR counsel* OR advocat*))	403 613
2	TITLE-ABS-KEY ((live OR living OR alive OR unspecified OR unrelated OR un-related OR un-specified OR altruis* OR non-direct* OR nondirect*) W/4 (donor* OR donat*))	38 469
1	TITLE-ABS-KEY ((kidney* or renal) w/3 (allotransplant* or transplant* or allograft* or graft* or donor* or donat*))	138 129

Table S2. Data extraction form.

General information <ul style="list-style-type: none">• Last name of first author• Year published• Journal• Design• Country• Number of Centers
Interventions <ul style="list-style-type: none">• Subclassify intervention• Details of intervention:<ul style="list-style-type: none">○ What is delivered○ At what intensity○ How often it is delivered• Details of personnel involved• Previous donors
Demographic data <ul style="list-style-type: none">• Subject (donor, recipient, social network)• Number of participants• Age• Sex• Race• Time on dialysis• Number in control or comparator
Follow-up
Outcomes to analyze <ul style="list-style-type: none">• LDKT• LDKT evaluation• LDKT contact/inquiry• LDKT knowledge scores (change in mean score)• Total transplants• LDKT pursuit behavior
Other comments

*LDKT: living donor kidney transplant