Search strategy for OVID MEDLINE database.

<table>
<thead>
<tr>
<th>Step</th>
<th>Search Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Inflammatory bowel diseases OR Crohn’s disease OR Ulcerative colitis</td>
</tr>
<tr>
<td>2</td>
<td>Graft failure OR graft loss OR graft survival OR mortality OR death OR remission OR outcome</td>
</tr>
<tr>
<td>3</td>
<td>Kidney transplant OR renal transplant</td>
</tr>
<tr>
<td>4</td>
<td>1 AND 2 AND 3</td>
</tr>
</tbody>
</table>

Search results: 200

Search strategy for EMBASE database.

('inflammatory bowel disease' OR 'Crohn disease' OR 'ulcerative colitis') AND ('kidney transplant' OR 'renal transplant' OR 'kidney transplantation' OR 'kidney graft' OR 'kidney graft rejection' OR 'patient history of kidney transplantation')

Search results: 627

Search strategy for Cochrane Library

('Inflammatory bowel diseases’ OR ‘Crohn’s disease’ OR ’Ulcerative colitis’) AND (‘Graft failure’ OR ‘graft loss’ OR ‘graft survival’ OR ‘mortality’ OR ‘death’ OR ‘remission’ OR ‘outcome’) AND (‘Kidney transplant’ OR ‘renal transplant’)

Search results: 14
Figure S1. Risk of bias summary.
Main results for Model 1, Random effects (MM), Z-Distribution, Logit event rate

<table>
<thead>
<tr>
<th>Covariate</th>
<th>Coefficient</th>
<th>Standard Error</th>
<th>95% Lower</th>
<th>95% Upper</th>
<th>Z-value</th>
<th>2-sided P-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercept</td>
<td>0.2544</td>
<td>1.4027</td>
<td>-2.4959</td>
<td>3.0035</td>
<td>0.19</td>
<td>0.8461</td>
</tr>
<tr>
<td>Age</td>
<td>-0.0336</td>
<td>0.0697</td>
<td>-0.1793</td>
<td>0.0126</td>
<td>-2.29</td>
<td>0.0229</td>
</tr>
</tbody>
</table>

Statistics for Model 1

Test of the model: Simultaneous test that all coefficients (excluding intercept) are zero
Q = 1.28, df = 5, p = 0.2799

Goodness of fit: Test that unexplained variance is zero
\( \tau^2 = 0.0968, \tau = 0.1946, I^2 = 38.53\%, Q = 7.00, df = 5, p = 0.2209 \)

Comparison of Model 1 with the null model

Total between-study variance (intercept only)
\( \tau^2 = 0.1098, \tau = 0.3325, I^2 = 34.57\%, Q = 5.17, df = 6, p = 0.4349 \)
Proportion of total between-study variance explained by Model 1
\( R^2 \text{ analog} = 0.21 \)

Number of studies in the analysis 7

Main results for Model 1, Random effects (MM), Z-Distribution, Logit event rate

<table>
<thead>
<tr>
<th>Covariate</th>
<th>Coefficient</th>
<th>Standard Error</th>
<th>95% Lower</th>
<th>95% Upper</th>
<th>Z-value</th>
<th>2-sided P-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercept</td>
<td>-0.7514</td>
<td>0.5665</td>
<td>-1.9617</td>
<td>0.4580</td>
<td>-1.33</td>
<td>0.1847</td>
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<tr>
<td>Male</td>
<td>-1.1142</td>
<td>1.1425</td>
<td>-3.3534</td>
<td>1.1250</td>
<td>-0.98</td>
<td>0.3294</td>
</tr>
</tbody>
</table>

Statistics for Model 1

Test of the model: Simultaneous test that all coefficients (excluding intercept) are zero
Q = 0.95, df = 5, p = 0.8294

Goodness of fit: Test that unexplained variance is zero
\( \tau^2 = 0.0926, \tau = 0.3148, I^2 = 38.05\%, Q = 7.15, df = 5, p = 0.2099 \)

Comparison of Model 1 with the null model

Total between-study variance (intercept only)
\( \tau^2 = 0.1098, \tau = 0.3325, I^2 = 34.57\%, Q = 5.17, df = 6, p = 0.1642 \)
Proportion of total between-study variance explained by Model 1
\( R^2 \text{ analog} = 0.16 \)

Number of studies in the analysis 7
Main results for Model 1, Random effects (MM), Z-Distribution, Logit event rate

<table>
<thead>
<tr>
<th>Covariate</th>
<th>Coefficient</th>
<th>Standard Error</th>
<th>95% Lower</th>
<th>95% Upper</th>
<th>Z-value</th>
<th>2-sided P-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercept</td>
<td>-0.1107</td>
<td>0.0459</td>
<td>-1.7764</td>
<td>1.5550</td>
<td>-3.13</td>
<td>0.0010</td>
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<tr>
<td>Follow-up</td>
<td>-0.0170</td>
<td>0.0204</td>
<td>-0.0573</td>
<td>0.0233</td>
<td>-0.84</td>
<td>0.1100</td>
</tr>
</tbody>
</table>

Statistics for Model 1

Test of the model: Simultaneous test that all coefficients (excluding intercept) are zero
Q = 2.63, df = 4, p = 0.4810

Goodness of fit: Test that unexplained variance is zero
\[ \tau^2 = 0.0600, \quad \tau = 0.2449, \quad I^2 = 16.70\%, \quad Q = 8.60, \quad df = 4, \quad p = 0.1078 \]

Comparison of Model 1 with the null model

Total between-study variance (intercept only)
\[ \tau^2 = 0.1946, \quad \tau = 0.4411, \quad I^2 = 48.82\%, \quad Q = 7.02, \quad df = 4, \quad p = 0.1348 \]

Proportion of total between-study variance explained by Model 1
\[ R^2 \text{ analog} = 0.69 \]

Number of studies in the analysis 5