

Supplementary Material

Effects of Medium Cut-Off Polyarylethersulfone and Polyvinylpyrrolidone Blend Membrane Dialyzers in Hemodialysis Patients: A Systematic Review and Meta-Analysis of Randomized Controlled Trial

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Supplementary Table S1. The MeSH search terms in the search strategy.

| # | PubMed search terms |
|----------------------|--|
| 1 | Expanded hemodialysis |
| 2 | HDx |
| 3 | medium cut-off membrane |
| 4 | medium cut-off polyvinylpyrrolidone blend membrane |
| 5 | MCO |
| 6 | high retention onset membrane |
| 7 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 |
| 8 | beta2-microglobulin |
| 9 | kappa free light chain |
| 10 | lambda free light chain |
| 11 | interleukin-6 |
| 12 | albumin |
| 13 | #8 OR #9 OR #10 OR #11 OR #12 |
| 14 | #7 AND 13 |
| # | EMBASE search terms |
| 1 | ('expanded hemodialysis' OR (expanded AND ('hemodialysis'/exp OR hemodialysis)) OR 'hdx'/exp OR hdx OR 'medium cut-off membrane' OR (('medium'/exp OR medium) AND 'cut off' AND ('membrane'/exp OR membrane)) OR 'medium cut-off polyvinylpyrrolidone blend membrane' OR (('medium'/exp OR medium) AND 'cut off' AND ('polyvinylpyrrolidone'/exp OR polyvinylpyrrolidone) AND blend AND ('membrane'/exp OR membrane)) OR mco OR 'high retention onset membrane' OR (high AND ('retention'/exp OR retention) AND onset AND ('membrane'/exp OR membrane))) |
| 2 | ((('beta2 microglobulin' OR kappa) AND free AND light AND chain OR lambda) AND free AND light AND chain OR 'interleukin 6' OR albumin) |
| 3 | #1 AND #2 |
| # | Cochrane central registers of controlled trial databases |
| 1 | (Expanded hemodialysis) OR (medium cut-off membrane) OR (high retention onset membrane) (Word variations have been searched) |
| 2 | (beta2-microglobulin) OR (kappa free light chain) OR (lambda free light chain) OR (interleukin-6) OR (albumin) |
| | #1 AND #2 |
| | ClinicalTrials.gov registry |
| Status | All studies |
| Condition or disease | End-stage-renal disease |
| Other terms | medium cut-off polyvinylpyrrolidone blend membrane, medium cut-off membrane, MCO, expanded hemodialysis, HDx, high retention onset membrane, HRO |

Supplementary Figure S1. Funnel plot of beta2-microglobulin studies. Right limb missing was found in the funnel plot, suggesting a potential publication bias.

