**Supplemental Digital Content File 1**

Mannitol randomized controlled trial (RCT) search

Ovid/Medline September 9, 2016

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| **Ovid MEDLINE(R)**1946 to August Week 5 2016 |
| **#** | **Searches** | **Results** | **Type** |   |   |   |
|   |
| 1 | "randomized controlled trial\*".tw. | 72151 | Advanced |   |   |   |
| 2 | exp Randomized Controlled Trial/ | 430305 | Advanced |   |   |   |
| 3 | exp Random Allocation/ | 88793 | Advanced |   |   |   |
| 4 | random\*.ti,ab. | 767209 | Advanced |   |   |   |
| 5 | exp Prospective Studies/ | 430744 | Advanced |   |   |   |
| 6 | prospective.tw. | 390326 | Advanced |   |   |   |
| 7 | RCT.tw. | 10936 | Advanced |   |   |   |
| 8 | 1 or 2 or 3 or 4 or 5 or 6 or 7 | 1379193 | Advanced |   |   |   |
| 9 | exp Mannitol/ | 11846 | Advanced |   |   |   |
| 10 | mannitol.tw. | 14788 | Advanced |   |   |   |
| 11 | 9 or 10 | 19789 | Advanced |   |   |   |
| 12 | 8 and 11 | 1208 | Advanced |   |   |   |
| 13 | limit 12 to animals | 261 | Advanced |   |   |   |
| 14 | 12 not 13 | 947 | Advanced |   |   |   |
|   |   |   |

PubMed unindexed
09-09-16 (100 results): mannitol AND (rct OR random\*[tiab] OR prospective) AND ((publisher[sb] NOT pubstatusnihms NOT pubstatuspmcsd NOT pmcbook) OR inprocess[sb] OR pubmednotmedline[sb] OR oldmedline[sb] OR ((pubstatusnihms OR pubstatuspmcsd) AND publisher[sb]))

Embase: 09-09-16

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| **Embase**1974 to 2016 September 08 |
| **#** | **Searches** | **Results** | **Type** |   |   |   |
|   |
| 1 | "randomized controlled trial\*".tw. | 107410 | Advanced |   |   |   |
| 2 | randomized controlled trial/ | 419300 | Advanced |   |   |   |
| 3 | exp randomization/ | 72040 | Advanced |   |   |   |
| 4 | random\*.ti,ab. | 1122014 | Advanced |   |   |   |
| 5 | exp Prospective Studies/ | 350615 | Advanced |   |   |   |
| 6 | prospective.tw. | 607303 | Advanced |   |   |   |
| 7 | RCT.tw. | 21491 | Advanced |   |   |   |
| 8 | mannitol.tw. | 19138 | Advanced |   |   |   |
| 9 | exp mannitol/ | 28894 | Advanced |   |   |   |
| 10 | 1 or 2 or 3 or 4 or 5 or 6 or 7 | 1804994 | Advanced |   |   |   |
| 11 | 8 or 9 | 34958 | Advanced |   |   |   |
| 12 | 10 and 11 | 2166 | Advanced |   |   |   |
| 13 | limit 12 to (amphibia or ape or bird or cat or cattle or chicken or dog or "ducks and geese" or fish or "frogs and toads" or goat or guinea pig or "hamsters and gerbils" or horse or monkey or mouse or "pigeons and doves" or "rabbits and hares" or rat or reptile or sheep or swine) | 227 | Advanced |   |   |   |
| 14 | limit 12 to (book or book series or chapter or conference abstract or conference paper or conference proceeding or "conference review" or editorial or erratum or letter or note or report or "review" or short survey or trade journal) | 615 | Advanced |   |   |   |
| 15 | 13 or 14 | 800 | Advanced |   |   |   |
| 16 | 12 not 15 | 1366 | Advanced |   |   |   |
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