**Supplemental Digital Content File 4**

Mannitol complications search

Ovid/Medline  
Sept. 12, 2016  
359 results

|  |  |  |  |  |  |  |
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| **Ovid MEDLINE(R)**1946 to August Week 5 2016 | | | | | | |
| **#** | **Searches** | **Results** | **Type** |  |  |  |
|  | | | | | | |
| 1 | case reports/ | 1822945 | Advanced |  |  |  |
| 2 | (case adj1 (series or report\* or stud\* or description\*)).tw. | 354440 | Advanced |  |  |  |
| 3 | mannitol.tw. | 14788 | Advanced |  |  |  |
| 4 | exp Mannitol/ | 11846 | Advanced |  |  |  |
| 5 | 3 or 4 | 19789 | Advanced |  |  |  |
| 6 | 1 or 2 | 1934707 | Advanced |  |  |  |
| 7 | exp Acute Kidney Injury/ | 38276 | Advanced |  |  |  |
| 8 | "acute renal failure".tw. | 19833 | Advanced |  |  |  |
| 9 | "acute kidney injur\*".tw. | 8683 | Advanced |  |  |  |
| 10 | exp Water-Electrolyte Imbalance/ | 56399 | Advanced |  |  |  |
| 11 | "water electrolyte imbalance\*".tw. | 107 | Advanced |  |  |  |
| 12 | exp Hyperkalemia/ | 5323 | Advanced |  |  |  |
| 13 | hyperpotassemia\*.tw. | 143 | Advanced |  |  |  |
| 14 | "hyperkalemia\*".tw. | 4394 | Advanced |  |  |  |
| 15 | exp Hyponatremia/ | 8222 | Advanced |  |  |  |
| 16 | hyponatremia\*.tw. | 6853 | Advanced |  |  |  |
| 17 | exp Hemorrhage/ | 289507 | Advanced |  |  |  |
| 18 | hemorrhage\*.tw. | 115246 | Advanced |  |  |  |
| 19 | bleeding.tw. | 144000 | Advanced |  |  |  |
| 20 | exp Postoperative Complications/ | 466013 | Advanced |  |  |  |
| 21 | exp Intraoperative Complications/ | 45209 | Advanced |  |  |  |
| 22 | complication\*.tw. | 640333 | Advanced |  |  |  |
| 23 | (side adj1 effect\*).tw. | 183478 | Advanced |  |  |  |
| 24 | (adverse adj1 effect\*).tw. | 108423 | Advanced |  |  |  |
| 25 | exp Morbidity/ | 444762 | Advanced |  |  |  |
| 26 | morbidity.tw. | 259982 | Advanced |  |  |  |
| 27 | exp Mortality/ | 320282 | Advanced |  |  |  |
| 28 | (mortality or death).tw. | 921011 | Advanced |  |  |  |
| 29 | (kidney adj1 injur\*).tw. | 11517 | Advanced |  |  |  |
| 30 | (electrolyte adj1 abnormalit\*).tw. | 1287 | Advanced |  |  |  |
| 31 | exp Hypokalemia/ | 8084 | Advanced |  |  |  |
| 32 | hypokalemia.tw. | 5778 | Advanced |  |  |  |
| 33 | Hypopotassemia.tw. | 250 | Advanced |  |  |  |
| 34 | exp Hypovolemia/ | 1313 | Advanced |  |  |  |
| 35 | hypovolem\*.tw. | 6019 | Advanced |  |  |  |
| 36 | (gas adj1 explosion\*).tw. | 87 | Advanced |  |  |  |
| 37 | complication\*.tw. | 640333 | Advanced |  |  |  |
| 38 | 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 | 2919149 | Advanced |  |  |  |
| 39 | "colonic explosion".tw. | 13 | Advanced |  |  |  |
| 40 | 38 or 39 | 2919155 | Advanced |  |  |  |
| 41 | 5 and 6 and 40 | 379 | Advanced |  |  |  |
| 42 | limit 41 to animals | 20 | Advanced |  |  |  |
| 43 | 41 not 42 | 359 | Advanced |  |  |  |

Embase/Ovid  
September 12, 2016  
1250 results

|  |  |  |  |  |  |  |
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| **Embase**1974 to 2016 September 09 | | | | | | |
| **#** | **Searches** | **Results** | **Type** |  |  |  |
|  | | | | | | |
| 1 | (case adj1 (series or report\* or stud\* or description\*)).tw. | 547006 | Advanced |  |  |  |
| 2 | case report/ | 2132431 | Advanced |  |  |  |
| 3 | exp case study/ | 39922 | Advanced |  |  |  |
| 4 | 1 or 2 or 3 | 2319840 | Advanced |  |  |  |
| 5 | mannitol.tw. | 19147 | Advanced |  |  |  |
| 6 | exp mannitol/ | 28898 | Advanced |  |  |  |
| 7 | 5 or 6 | 34968 | Advanced |  |  |  |
| 8 | exp electrolyte disturbance/ | 69286 | Advanced |  |  |  |
| 9 | "water electrolyte imbalance\*".tw. | 116 | Advanced |  |  |  |
| 10 | (electrolyte adj1 (abnormal\* or imbalance or distrubance)).tw. | 4256 | Advanced |  |  |  |
| 11 | hyperpotassemia\*.tw. | 175 | Advanced |  |  |  |
| 12 | "hyperkalemia\*".tw. | 6583 | Advanced |  |  |  |
| 13 | hyponatremia\*.tw. | 11244 | Advanced |  |  |  |
| 14 | exp bleeding/ | 706498 | Advanced |  |  |  |
| 15 | hemorrhage\*.tw. | 164934 | Advanced |  |  |  |
| 16 | bleeding.tw. | 237296 | Advanced |  |  |  |
| 17 | postoperative complication/ | 289005 | Advanced |  |  |  |
| 18 | exp peroperative complication/ | 26845 | Advanced |  |  |  |
| 19 | complication\*.tw. | 989669 | Advanced |  |  |  |
| 20 | (side adj1 effect\*).tw. | 285334 | Advanced |  |  |  |
| 21 | (adverse adj1 effect\*).tw. | 160253 | Advanced |  |  |  |
| 22 | exp morbidity/ | 285271 | Advanced |  |  |  |
| 23 | morbidity.tw. | 404383 | Advanced |  |  |  |
| 24 | exp mortality/ | 822226 | Advanced |  |  |  |
| 25 | (mortality or death).tw. | 1382686 | Advanced |  |  |  |
| 26 | exp acute kidney failure/ | 58644 | Advanced |  |  |  |
| 27 | "acute kidney injur\*".tw. | 17850 | Advanced |  |  |  |
| 28 | "acute kidney failure".tw. | 992 | Advanced |  |  |  |
| 29 | "acute renal failure".tw. | 27702 | Advanced |  |  |  |
| 30 | (kidney adj1 injur\*).tw. | 22612 | Advanced |  |  |  |
| 31 | hypokalemia.tw. | 8809 | Advanced |  |  |  |
| 32 | Hypopotassemia.tw. | 334 | Advanced |  |  |  |
| 33 | hypovolemia/ | 7811 | Advanced |  |  |  |
| 34 | hypovolem\*.tw. | 8766 | Advanced |  |  |  |
| 35 | (gas adj1 explosion\*).tw. | 140 | Advanced |  |  |  |
| 36 | complication\*.tw. | 989669 | Advanced |  |  |  |
| 37 | hypernatremia.tw. | 2479 | Advanced |  |  |  |
| 38 | 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 | 3693790 | Advanced |  |  |  |
| 39 | 4 and 7 and 38 | 1552 | Advanced |  |  |  |
| 40 | limit 39 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) | 12 | Advanced |  |  |  |
| 41 | limit 39 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) | 294 | Advanced |  |  |  |
| 42 | 40 or 41 | 302 | Advanced |  |  |  |
| 43 | 39 not 42 | 1250 | Advanced |  |  |  |
|  | | |  | | |  |

PubMed unindexed  
September 12, 2016  
Results: 29 unindexed articles

(electrolyte AND (imbalance OR abnormal\*)) AND “kidney injur\*” OR “renal failure” OR hyperkalemia OR hyponatremia OR hemorrhage\* OR bleeding OR ((intraoperative OR postoperative) AND complication\*) OR “side effect\*” OR “adverse effect\*” OR complication\* OR morbidity OR mortality OR death OR hypokalemia OR hypernatremia OR hypovolemia OR “gas explosion\*” OR hyperpotassemia OR hypopotassemia OR “colonic explosion”

AND

case

AND

Mannitol

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]))

Hand searching: 3 (Dorman HR/1990, Palma L/2006, Guisado R/1975)

Total before duplicates removed: 1638

Total after duplicates removed: