SOCIETÀ SCIENTIFICA DI MEDICINA INTERNA
FADOI
FEDERAZIONE DELLE ASSOCIAZIONI DEI DIRIGENTI OSPEDALIERI INTERNISTI

Italian Journal of Medicine

Appendix

Short *versus* long course antibiotic therapy for acute pyelonephritis in adults: a systematic review and meta-analysis

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Italian Journal of Medicine 2018; 12:39-50_Appendix
doi: 10.4081/itjm.2018.840

Search strategy

MEDLINE/Pubmed

"Adult"[Mesh] OR adult* AND “pyelonephritis”[Mesh] OR Pyelonephritis [TIAB] AND (Anti-Bacterial Agents [MESH] OR Anti-Infective Agents, Urinary [MESH] OR antibiotic* OR quinolones OR amdinocillin* OR amikacin* OR aminoglucoside* OR aminoglycoside* OR amoxicillin* OR 'amoxicillin potassium' OR clavulanate OR combination OR amoxycillin* OR ampicillin* OR azithromycin* OR beta OR lactam* OR betalactam* OR 'beta lactam*' OR carbapenem* OR cefaclor* OR cefalexin* OR cefamandole* OR cefazolin* OR cefipime* OR cefixim* OR cefmetazole* OR cefonicid* OR cefoperazone* OR cefotaxim* OR cefotetan* OR cefoxitin* OR cefpirome* OR cefpodoxim* OR cefradin* OR cefsulodin* OR ceftazidim* OR ceftizoxim* OR ceftriaxon* OR cefuroxim* OR cefuroxime* OR cephacetrile* OR cephaclor* OR cephadrox* OR cephalexin* OR cephaloglycin* OR cephaloridine* OR cephalosporin* OR cephalothin* OR cephamycin* OR cephapirin* OR cephixim* OR cephotaxim* OR cephradine* OR ceporex* OR chloramphenicol* OR cidomycin* OR ciprofloxacin* OR clarithromycin* OR clindamicin* OR clindamycin* OR colistin* OR cotrimoxazole* OR 'co trimoxazole*' OR doripenem* OR doxycyclin* OR enoxacin* OR ertapenem* OR erythromycin* OR esparfloxacin* OR fleroxacin* OR fluoroquinolone* OR furadantin* OR gentamicin* OR genticin* OR glycylcycline* OR hexamine* OR imipenem* OR levofloxacin* OR lincomycin* OR linezolid* OR macrodantin* OR macrolide* OR mecillinam* OR meropenem* OR methenamine* OR monotrim* OR moxifloxacin* OR nalidixic OR acid* OR netilmicin OR nitrofuranto* OR nitrofurantoin* OR norfloxacin* OR ofloxacin* OR oxazolidinone* OR oxolinic OR acid* OR pefloxacin* OR penicillin* OR piperacillin* OR polymyxin* OR quinolone* OR rocephin* OR roxithromycin*) AND (randomized Controlled Trial[ptyp] OR Controlled Clinical Trial[ptyp] OR RCT [Title/Abstract] OR “Randomized Controlled Trial” [Title/Abstract] OR random* [Title/Abstract] OR trial[Title/Abstract] OR group [Title/Abstract])

EMBASE

(adult'/exp or adult) AND ('pyelonephritis'/exp or pyelonephritis or pyelonephritis:ab,ti) AND ('anti bacterial' OR 'antiinfective agent'/exp OR 'antiinfective agent' OR antibiotic* OR quinolones OR amdinocillin* OR amikacin* OR aminoglucoside* OR aminoglycoside* OR amoxicillin* OR 'amoxicillin potassium' OR clavulanate OR combination OR amoxycillin* OR ampicillin* OR azithromycin* OR beta OR lactam* OR betalactam* OR 'beta lactam*' OR carbapenem* OR cefaclor* OR cefalexin* OR cefamandole* OR cefazolin* OR cefipime* OR cefixim* OR cefmetazole* OR cefonicid* OR cefoperazone* OR cefotaxim* OR cefotetan* OR cefoxitin* OR cefpirome* OR cefpodoxim* OR cefradin* OR cefsulodin* OR ceftazidim* OR ceftizoxim* OR ceftriaxon* OR cefuroxim* OR cefuroxime* OR

cephacetrile* OR cephaclor* OR cephadrox* OR cephalexin* OR cephaloglycin* OR cephaloridine* OR cephalosporin* OR cephalothin* OR cephamycin* OR cephapirin* OR cephixim* OR cephotaxim* OR cephradine* OR ceporex* OR chloramphenicol* OR cidomycin* OR ciprofloxacin* OR clarithromycin* OR clindamicin* OR clindamycin* OR colistin* OR cotrimoxazole* OR 'co trimoxazole*' OR doripenem* OR doxycyclin* OR enoxacin* OR ertapenem* OR erythromycin* OR esparfloxacin* OR fleroxacin* OR fluoroquinolone* OR furadantin* OR gentamicin* OR genticin* OR glycylcycline* OR hexamine* OR imipenem* OR levofloxacin* OR lincomycin* OR linezolid* OR macrodantin* OR macrolide* OR mecillinam* OR meropenem* OR methenamine* OR monotrim* OR moxifloxacin* OR nalidixic OR netilmicin OR nitrofuranto* OR nitrofurantoin* OR norfloxacin* OR ofloxacin* OR oxazolidinone* OR oxolinic OR acid* OR pefloxacin* OR penicillin* OR piperacillin* OR polymyxin* OR quinolone* OR rocephin* OR roxithromycin*) AND ('randomized controlled trial'/exp OR 'randomized controlled trial' OR random*:ab,ti OR trial:ab,ti OR group:ab,ti OR 'controlled clinical trial':ab,ti)

CENTRAL

#1 MeSH descriptor: [Pyelonephritis] explode all trees

#2 kidney next infection*

#3 "pyelonephritis"

#4 #1 or #2 or #3

#5 MeSH descriptor: [Anti-Infective Agents] explode all trees

#6 MeSH descriptor: [Anti-Infective Agents, Urinary] explode all trees

#7 MeSH descriptor: [Anti-Bacterial Agents] explode all trees

#8 antibiotic*

#9 quinolones or amdinocillin* or amikacin* or aminoglucoside* or aminoglycoside* or amoxicillin* or 'amoxicillin potassium' and clavulanate or combination or amoxycillin* or ampicillin* or azithromycin* or beta and lactam* or betalactam* or 'beta lactam*' or carbapenem* or cefaclor* or cefalexin* or cefamandole* or cefazolin* or cefipime* or cefixim* or cefmetazole* or cefonicid* or cefoperazone* or cefotaxim* or cefotetan* or cefoxitin* or cefpirome* or cefpodoxim* or cefradin* or cefsulodin* or ceftazidim* or ceftizoxim* or ceftriaxon* or cefuroxim* or cefuroxime* or cephacetrile* or cephaclor* or cephadrox* or cephalexin* or cephaloglycin* or cephaloridine* or cephalosporin* or cephalothin* or cephamycin* or cephapirin* or cephixim* or cephotaxim* or cephradine* or ceporex* or chloramphenicol* or cidomycin* or ciprofloxacin* or clarithromycin* or clindamicin* or clindamycin* or colistin* or cotrimoxazole* or 'co trimoxazole*' or doripenem* or doxycyclin* or enoxacin* or ertapenem* or erythromycin* or esparfloxacin* or fleroxacin* or fluoroquinolone* or furadantin* or gentamicin* or genticin* or glycylcycline* or hexamine* or imipenem* or levofloxacin* or lincomycin* or linezolid* or macrodantin* or macrolide* or mecillinam* or meropenem* or methenamine* or monotrim* or moxifloxacin* or nalidixic and acid* or netilmicin or nitrofuranto* or nitrofurantoin* or

norfloxacin* or ofloxacin* or oxazolidinone* or oxolinic and acid* or pefloxacin* or penicillin* or piperacillin* or polymyxin* or quinolone* or rocephin* or roxithromycin*
#10 #5 or #6 or #7 or #8 or #9
#11 MeSH descriptor: [Adult] explode all trees
#12 adult*
#13 #11 or #12
#14 random*
#15 RCT
#16 trial
#17 group
#18 MeSH descriptor: [Randomized Controlled Trials as Topic] explode all trees
#19 MeSH descriptor: [Randomized Controlled Trial] explode all trees
#20 #14 or #15 or #16 or #17 or #18 or #19
#21 #4 and #10 and #13 and #20