

MY TOP 5 TAKES

ON A PAPER TITLED

Efficacy of Ceftriaxone (CFTXN) 1 g daily Vs. 2 g daily for The Treatment of Community-Acquired Pneumonia: **A Systematic Review with Meta-Analysis**

VARIOUS REGIMENS WERE USED



CFTXN doses used in studies including RCTs vary from 1 to 4 gram daily. Even in the 3 most recent RCTs, 2 used 1 gram a day and another used 2 gram instead.

PK STUDIES SHOWED GOOD LEVELS



Therapeutic levels were achieved in various PK studies despite various doses/regimens used (500 mg tds or 1 to 2 gram per day).

CEFTRIAXONE VS. OTHERS



24 RCTs with a total of 916 subjects were included. None recruited critically ill patients. CFTXN was used for 1 week in 6 studies, 1 to 2 weeks in 17 studies and only 1 allowed its use for 3 weeks.

Comparators were antibiotics other than ceftriaxone (e.g. cefepime/ cefotaxime/ cefuroxime).

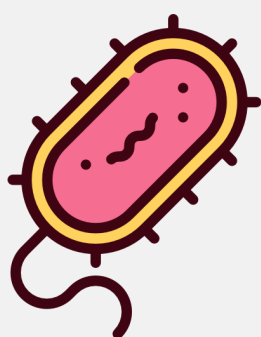
NIL DIFFERENCE



When all these studies were pooled, comparators showed similar efficacy to ceftriaxone, regardless of the ceftriaxone dose used in these studies.

Dosages higher than ceftriaxone 1 g daily did not result in improved clinical outcomes

ORGANISMS DID NOT MATTER EXCEPT...



Similar efficacy was found regardless of the CFTXN dosages used for CAP caused by *Strep pneumoniae* and *H. influenzae*.

However, 1-gm-daily regimen was inferior to comparator for pneumonia that was caused by *Staph. aureus*.