

MY TOP 5 TAKES

ON

Fluoroquinolone-based versus beta lactam-based regimens for complicated intra-abdominal infections: a meta-analysis of randomized controlled trials

WHAT IS IAI?

Intra-abdominal infections range from acute appendicitis to penetrating intraab infections.

When these spread from the non-sterile (gut) to sterile area (e.g. peritoneal cavity), they are called COMPLICATED IAI



WHAT ARE THE TOP ORGANISMS?

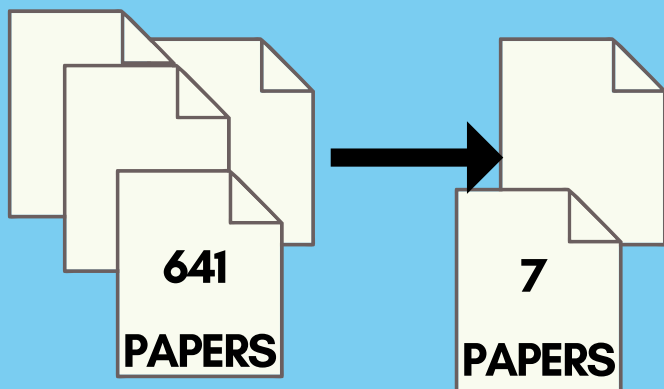
For GNB
Enterobacteriaceae
(esp. E coli)

For GPC
Enterococcus and Strep.

For anaerobes
Bacteroides

And sometimes **Candida** can join the party

SELECTIONS



4125 SUBJECTS
All > 18 years old

All were multi-centre
6 were double blinded

All analysed FQ vs. beta lactams



MOXIFLOXACIN WAS INFERIOR

When compared to beta lactams, the above was significantly inferior to beta lactams.

THE ANALYSES

When taking all FQ into consideration, there was no difference between fluoroquinolone based therapy to beta lactams in IAI.

There were also no difference found too between the 2 in term off;
1) All cause mortality
2) Severe side effects

When subgroup analysis was performed concerning moxifloxacin, it was found to be inferior.

Since FDA has released warnings over the years on FQ side effects, we NEED to rethink about their use in our patients