RELEVANCE OF FLUOROQUINOLONE PRESCRIPTION IN HOSPITAL

Objectives

- Recently ofloxacin suppression from our hospital
- Relevance of fluoroquinolone prescription:
  - Indication
  - Molecule choice
  - Dosage and CKD-EPI based dose reduction
  - Duration
  - Route
  - Eventual association
  - Antibiogram compliance
  - Drug interaction
  - Catch of fluoroquinolone 6 months before

Material and methods

- 3 months transversal retrospective study
- 206 patients included
- All services included except intensives care units and emergencies
- Guideline used: 2015 SPILF (French Spoken Infectious Diseases Society) recommendations

Relevance results

- Indication: 84.7%
- Route: 87.7%
- Duration: 74.7%
- Molecule: 92.7%
- Dose: 82.8%
- Dose to CKD<60 patients: 70.8%
- Line: 63.0%
- Lack of drug interaction: 86.0%
- Lack of FQ use < 6 month: 88.0%
- Documented infection: 40.0%
- Antibiogram match: 94.4%
- Valid antibiotic association: 43.8%

Conclusion

- Prescriptions mostly relevant for indications and molecule choice
- Adequate fluoroquinolone dose reduction must be a priority for renal insufficiency patients.
- Serious medical information seems to be necessary about antibiotics associations
- Solutions available may be a special control using the biological software