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primary studies - published RCT

## **Cystic Fibrosis: A Simple and Customized Strategy for Genetic Screening Able to Detect Over 90% of Identified Mutated Alleles in Brazilian Newborns.**

**Code:** PM32185651

**Year:** 2020 **Date:** 1986

**Author:** Rispoli T

### **Study design (if review, criteria of inclusion for studies)**

Cross-over Study

### **Participants**

20 out-patients with cystic fibrosis and chronic colonization of the respiratory tract with *Pseudomonas aeruginosa*

### **Interventions**

ten days with OFX, then another ten days with CPX, and vice versa

### **Outcome measures**

Drug concentrations in serum and sputum were assayed.

### **Main results**

The patients' clinical and laboratory parameters were monitored. The side-effects that appeared did not require interrupting treatment. The serum and sputum concentrations were found to be above the minimal inhibitory concentration. Although *P. aeruginosa* was not eliminated by the therapy, two-thirds of the patients showed improvement during the infection that could be observed clinically and in laboratory measurements.

### **Authors' conclusions**

Oral treatment with OFX and CPX is efficacious.

<http://dx.doi.org/10.1007/s40291-020-00456-9>

### **See also**

Mol Diagn Ther. 2020 Jun;24(3):315-325. doi: 10.1007/s40291-020-00456-9.

### **Keywords**

Adolescent; Adult; Anti-Bacterial Agents; Bacterial Infections; Ciprofloxacin; Infection; Ofloxacin; Oral; pharmacological\_intervention; *Pseudomonas aeruginosa*; *Pseudomonas*; Respiratory Tract Diseases; Respiratory Tract Infections; colonization; Quinolones;