

primary studies - published RCT

## **French multicenter randomized double-blind placebo-controlled trial on nebulized amiloride in cystic fibrosis patients. The Amiloride-AFLM Collaborative Study Group.**

**Code:** PM10862159

**Year:** 2000 **Date:** 2004

**Author:** Pons G

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

Randomised parallel-control trial. Participants were evaluated clinically every 3 months during the 3-year period.

### **Participants**

A total of 105 patients with CF (> or =5 years of age) having normal lung function were randomized to receive rhDNase (2.5 mg/day) or no rhDNase. Patients with a normal percentage of neutrophils in BAL fluid at baseline were not randomized and served as the control group.

### **Interventions**

rhDNase (2.5 mg/day) or no rhDNase

### **Outcome measures**

neutrophils in BAL fluid

### **Main results**

The percentage of neutrophils in the pooled BAL sample was similar in both randomized groups at baseline. A significant increase in neutrophils was observed over the 3-year study period in both untreated patients and control subjects, whereas neutrophils remained unchanged in patients treated with rhDNase. Elastase activities and interleukin-8 concentrations also increased in untreated patients and remained stable in patients on rhDNase.

### **Authors' conclusions**

in patients with CF, an increase in neutrophilic airway inflammation is found that is positively influenced by rhDNase treatment.

[3.0.CO;2-C" target=" blank">http://dx.doi.org/10.1002/1099-0496\(200007\)30:1<25::AID-PPUL5>3.0.CO;2-C](http://dx.doi.org/10.1002/1099-0496(200007)30:1<25::AID-PPUL5>3.0.CO;2-C)

### **See also**

Pediatr Pulmonol. 2000 Jul;30(1):25-31.

### **Keywords**

Adolescent; Adult; Bacterial Infections; Child; Deoxyribonuclease; Airway clearance drugs -expectorants- mucolytic- mucociliary-; Infection; pharmacological\_intervention; Pneumonia; Recombinant Proteins; Respiratory Tract Infections; Respiratory System Agents; Respiratory Tract Diseases; Dornase alpha; Pulmozyme; Inhalation OR nebulised; nebuliser;