

## THE PANCREAS IN MUCOVISCIDOSIS

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**Introduction:** Cystic fibrosis is an inherited-recessive disease with progressive chronic evolution, caused by a defect in the CFTR gene. The pancreas is one of the most commonly affected organs by disease, leading to pancreatic insufficiency and significant decrease in life expectancy.

**Keywords:** Cystic fibrosis, pancreas, malnutrition, mutation.

**Purpose:** To study the genetic aspects in affecting the pancreas with cystic fibrosis by presenting the following clinical research.

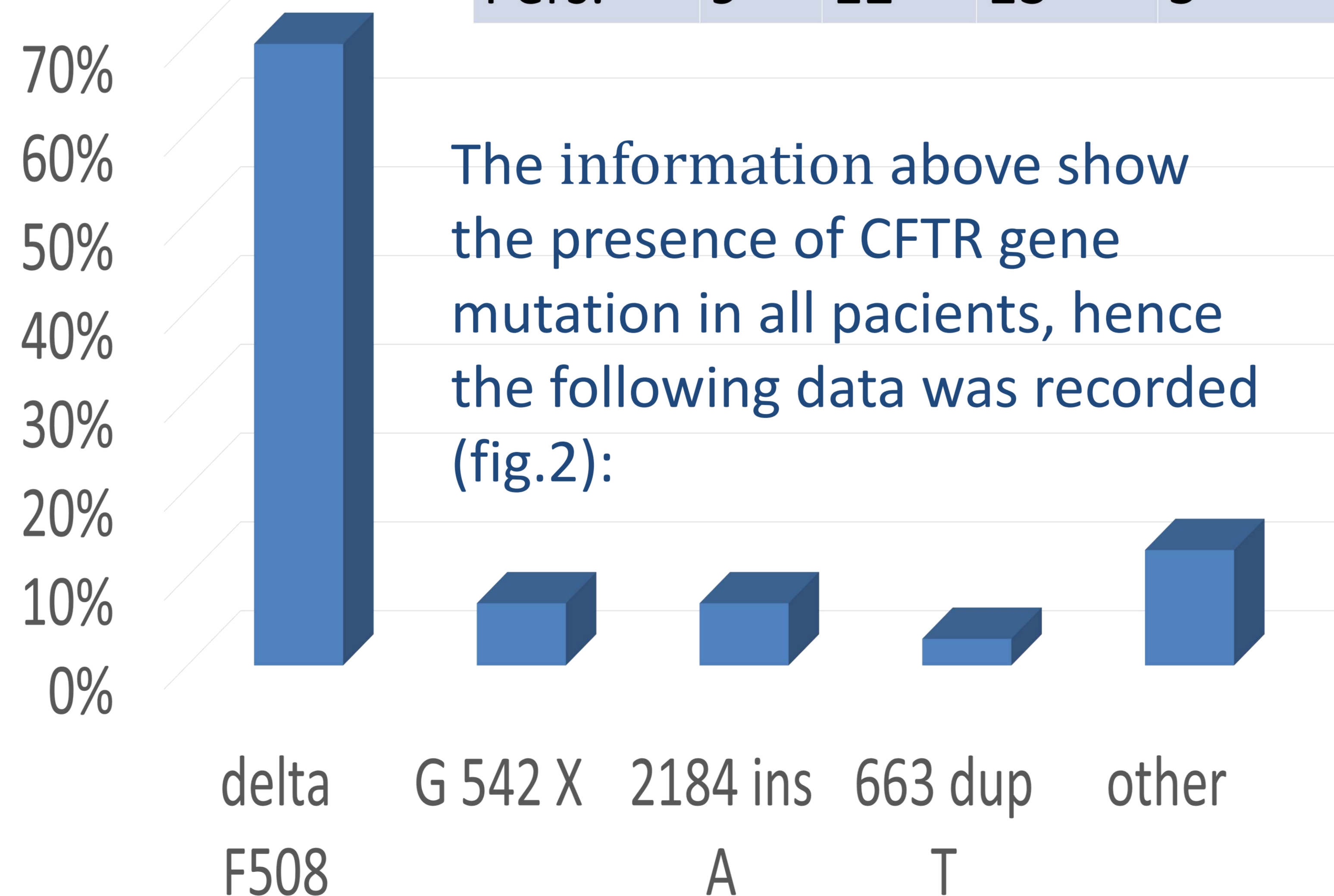
**Conclusions:**

- (1) Cystic fibrosis is a monogenic disease, the diagnosis of which is established, mainly during the first year of life.
- (2) The F508 delta mutation is the most common, respectively, class II remains the most affected.
- (3) Class I and II lead to a classic CF phenotype with pancreatic insufficiency.

**Material and methods:** A clinical research was conducted and analyzes the statistics of 49 patients known with cystic fibrosis at the IMSP Institutul Mamei și Copilului. Aspects analyzed: patient age (PA), disease onset (DO), fecal elastase value (FEV), mutant gene class (MGC), body mass index (BMI).

**Results**

Patient age (years)	0-5	5-10	10-15	15-20	20-25	25-30	30-35
Pers.	9	12	13	5	5	1	4



Mutant gene class (fig.1)

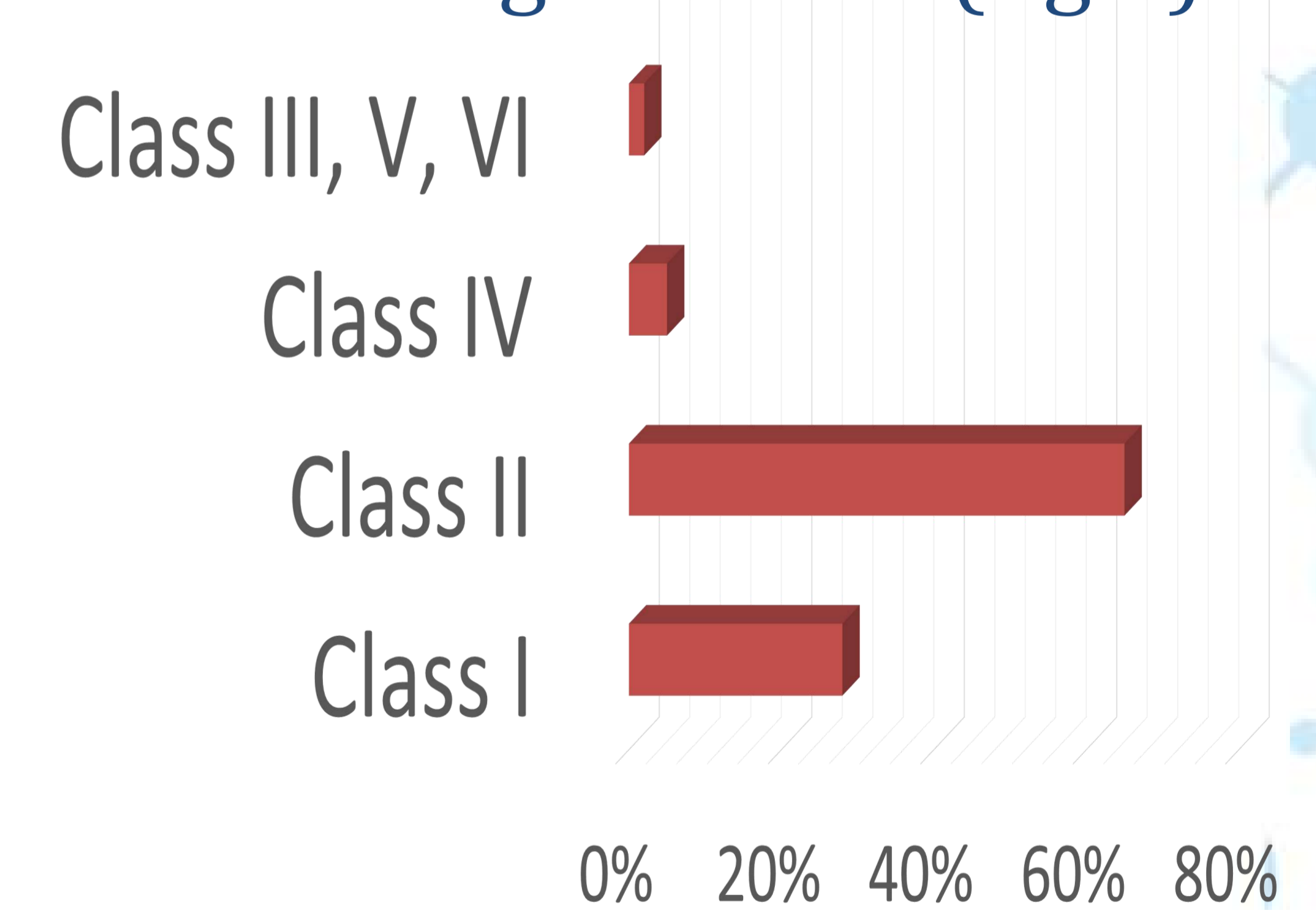


Fig. 3

