



REAL-LIFE STUDY OF THE USE OF TUMOR NECROSIS FACTOR INHIBITORS IN PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE

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BACKGROUND AND IMPORTANCE



Pediatric inflammatory bowel disease (PIBD) is a chronic immune-mediated pathology with increasingly early diagnosis.

AIM AND OBJECTIVES



Describe the use of IFX and ADA as **first-line** therapies for PIBD.

The only approved biologics drugs for PIBD are infliximab (IFX) and adalimumab (ADA), both tumor necrosis factor inhibitors (anti-TNF).



Assess their **effectiveness** and **safety**.

MATERIAL AND METHODS

Retrospective and **observational** study



Included all patients who began anti-TNF treatment from January 2021 to March 2024.

Collected variables

<u>Demographics</u> (age, sex, weight, diagnosis)

Pharmacological (prescribed drugs, dose and frequency of administration),

Analytical (drug and fecal calprotectin (FC) levels),

Cut-off points

- Drug intensification: higher doses/frequencies than IFX and ADA data sheet.
- <u>Analytical response</u>: last 5 FC averages $\leq 120 \mu g/g$.
- Optimal maintenance plasma levels seeking mucosal healing: IFX \geq 7-10 µg/mL, ADA \geq 5-8 µg/mL.

Data sources







Adverse reactions

Statistical analysis

Median and frequency distribution (%).



Effectiveness	Results	TNF antibodies or clinical worsening in 25 of 27 patients.
CF levels	29 (53.7%) patients presented decrease in CF \leq 120 μ g/g	Security Results
Drug levels	36 (66.7%) reached optimal drug levels, with 17 (31.5%) achieving this on standard dosing.	Psoriasis Two reported adverse reactions
CONCLUSION AND RELEVANCE		
Our study sho	ows that IFX and ADA are	ring of drug levels and LO4 IMMUNO-

highly effective and safe for PIBD, though many patients need higher doses or intensified regimens.

analytical parameters are crucial for IE O personalized treatment and effective management of pediatric patients.

SUPPRESSANTS

