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Table SI: Main patients' comorbidities.

Comorbidities	n.patients (%)
Cardiovascular	
· Arterial Hypertension	106 (39.26)
· Ischemic Heart Disease	4 (1.48)
· Atrial fibrillation	4 (1.48)
· Previous heart attack	3 (1.11)
· Heart failure	2 (0.74)
· PAOD	2 (0.74)
Metabolic	
· Obesity	54 (20)
· Metabolic Syndrome	51 (18.89)
· Hyperlipidemia	48 (17.78)
· Type 2 diabetes	27 (10)
· Pre diabetes	2 (0.74)
Infectious	
· LTBI	12 (4.44)
· Chronic HCV infection	6 (2.22)
· Chronic HBV infection	4 (1.48)
· HPV infection	3 (1.11)
Malignancies	
· Prostatic cancer	7 (2.59)
· Lymphoma	6 (2.22)
· Breast cancer	5 (1.85)
· Bladder cancer	5 (1.85)
· Melanoma	4 (1.48)
· Colorectal cancer	3 (1.11)
· Lung cancer	2 (0.74)

Gastrointestinal <ul style="list-style-type: none"> · Gastritis, gastric ulcer · Hepatic steatosis · Hiatal hernia · Esophagitis · Hepatic fibrosis · Diverticulosis 	<p>8 (2.96)</p> <p>7 (2.59)</p> <p>4 (1.48)</p> <p>3 (1.11)</p> <p>2 (0.74)</p> <p>2 (0.74)</p>
Respiratory <ul style="list-style-type: none"> · Asthma · COPD 	<p>6 (2.22)</p> <p>4 (1.48)</p>
Renal <ul style="list-style-type: none"> · Kidney failure 	<p>7 (2.59)</p>
Hematologic <ul style="list-style-type: none"> · Anemia 	<p>3 (1.11)</p>
Neurological <ul style="list-style-type: none"> · Stroke · Multiple Sclerosis · Parkinson · Migraine 	<p>3 (1.11)</p> <p>3 (1.11)</p> <p>2 (0.74)</p> <p>2 (0.74)</p>
Psychiatric <ul style="list-style-type: none"> · Depression · Psychosis 	<p>9 (3.33)</p> <p>2 (0.74)</p>
Dermatologic <ul style="list-style-type: none"> · NMSC · Areata alopecia · Acne 	<p>3 (1.11)</p> <p>2 (0.74)</p> <p>2 (0.74)</p>
Ophthalmological <ul style="list-style-type: none"> · Glaucoma 	<p>2 (0.74)</p>

Endocrinological <ul style="list-style-type: none"> · Ipotyroidism · Goiter 	 7 (2.59) 4 (1.48)
Urological <ul style="list-style-type: none"> · Benign Prostatic Hyperplasia 	 3 (1.11)
Reumatological <ul style="list-style-type: none"> · Psoriatic arthritis · Hyperuricemia 	 30 (11.1) 3 (1.11)

PAOD: Peripheral Arterial Occlusive Disease; LTBI: Latent Tuberculosis Infection; COPD: Chronic Obstructive Pulmonary Disease; NMSC: Non-Melanoma Skin Cancer.

Table SII: Main side effects related to Dimethyl fumarate

Side effects	n.patients (%)
Gastrointestinal	
· Diarrhea	75 (27.8)
· Epigastralgia	67 (24.8)
· Nausea	64 (23.7)
· Constipation	3 (1.11)
Cardiovascular	
· Flushing	45 (16.7)
Neurological	
· Cephalaea	10 (3.7)
· Asthenia	4 (1.48)
Laboratory side effects	
· Lymphopenia	40 (14.81)
· Neutropenia	14 (5.19)
· Increase in transaminases	9 (3.33)
· Hypereosinophilia	7 (2.59)