**README file**

Data Set Title: **“Dataset "PROEMA\_REU": an Italian multicentric study about Leishmania infection in patients treated for immune-mediated inflammatory diseases with biologics”**

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**Data set Contents**

The data set consists of:

* 1 tabular quantitative file saved in .xlsx format

“**PROEMAREU\_dataset\_04062025.xlsx**”

* 1 README file

“**PROEMAREU\_dataset\_04062025\_README.rtf”**

**Data set Documentation**

Abstract

The dataset includes information on 126 patients enrolled in an Italian study investigating asymptomatic *Leishmania* infection in individuals with immune-mediated inflammatory diseases undergoing treatment with biologic therapies. *Leishmania* infection was assessed using three diagnostic methods: (1) a Western Blot to detect specific IgG antibodies; (2) a semi-quantitative real-time PCR targeting kinetoplast (k) DNA minicircles; and (3) a Whole Blood Assay (WBA) measuring the levels of two cytokines, IL-2 and IP-10, using a Cytokine Bead Array (CBA) in plasma derived from blood samples stimulated with soluble *Leishmania infantum* antigens (SLA). Patients were considered positive if at least one of the three diagnostic tests yielded a positive result.

Content of the files:

* file **PROEMAREU\_dataset\_04062025.xlsx** contains 126 rows and each row represents a patient and includes information on demographic data, clinical information, results on diagnostic tests for Leishmania, final outcome.

File specifics

The file is in .xlsx format, compatible with programs such as Microsoft Excel, Google Sheets, and other spreadsheet software. It contains structured tabular data and can be used for analysis, visualization, and information management in clinical or scientific contexts.

List of variables

IMID: immune-mediated inflammatory disease

WBA: whole blood assay