

Pemphigus Vulgaris (PV)

Data Collection:

- Clinical and Histopathology Images (Visual Data)

Details to request: Images of blisters, erosions, and sores on different body parts (e.g., mouth, scalp, trunk). You need images of both PV cases and other similar-looking conditions for comparison.

(Almost an equal no. of images for both pemphigus vulgaris and healthy patients)

- Clinical Data (Tabular Data)

Parameter Name	Data Type	Description
patient_id	string	A unique identifier for each patient. It should be a string (e.g., "PV_001"), as you will be connecting it to image filenames.
age	integer	The patient's age in whole numbers. This is a crucial demographic feature.
gender	string or categorical	The patient's gender (e.g., "male," "female").
ethnicity	string or categorical	The patient's ethnic background is a known risk factor. (e.g., "Caucasian," "Ashkenazi Jewish")
initial_symptom_location	string or categorical	The first area where symptoms appeared. A powerful clinical predictor. (e.g., "oral_cavity," "skin")
diagnosis	string or categorical	Your primary target label. The confirmed diagnosis from a medical professional. (e.g., "Pemphigus Vulgaris," "Pemphigus Foliaceus," "Bullous Pemphigoid", "Healthy")
anti_dsg3_elisa_value	float	The numerical concentration of anti-desmoglein 3 antibodies.
anti_dsg1_elisa_value	float	The numerical concentration of anti-desmoglein 1 antibodies.
direct_immunofluorescence_result	string or categorical	The categorical outcome of the DIF test, which is a gold-standard diagnostic tool. (e.g., "positive_intercellular_IgG," "negative")
nikolsky_sign_present	boolean	A binary parameter indicating whether this key clinical sign was observed. (true or false)

Other parameters to be considered:

Disease Severity Score (e.g., PDAI, ODSS): integer or float - A numerical value that quantifies disease severity.

Comorbidities: list of string or categorical - A list of other diseases the patient has (e.g., hypertension, diabetes).

Environmental Triggers: list of string or categorical - Documented potential triggers such as "high stress," "sunburns," or specific dietary factors.

Genomic Data (e.g., HLA alleles): string - Specific gene variants that are associated with the disease.

Indirect Immunofluorescence Result: string or categorical - The outcome of the test for circulating antibodies.