Introduction to polyautoimmunity: a visual guide for general practitioners

What is polyautoimmunity?

Polyautoimmunity refers to the occurrence of two or more autoimmune diseases in the same patient.1

people suffer from one or more autoimmune diseases.

 Established by a population-based cohort study of 22 million in the UK.2

of patients diagnosed with one autoimmune disease are at risk of developing a second.

 Derived from a population study with more than 5 million individuals in Denmark.3,4

Demographics and risk factors

Approximately

of autoimmune patients



Risk factors associated with polyautoimmunity include:6,7

- Female gender
- Genetic predisposition
 - Environmental factors and lifestyle
 - Family history for autoimmune diseases
 - Positivity for certain autoantibodies
- Vitamin D deficiency

Symptoms and comorbidities

Patients with polyautoimmunity often present with overlapping and unspecific symptoms.8 In fact, certain autoimmune disease combinations are more prevalent.3

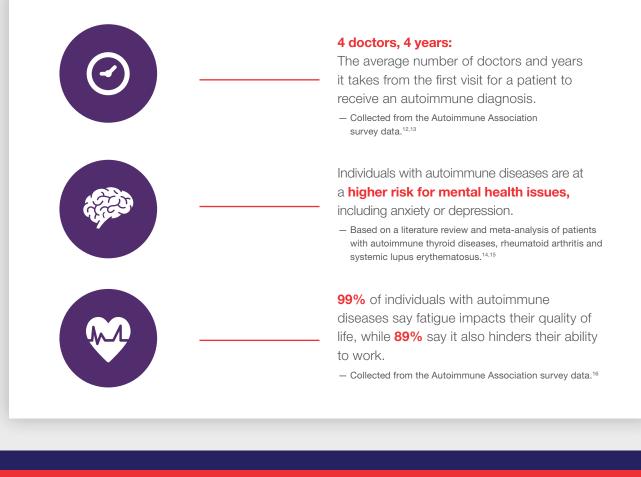
Most common signs and symptoms in polyautoimmunity9

- Arthralgias and arthritis Xerophthalmia and xerostomia
- Menstrual disorders
- Myalgia Miscarriage
- Gastritis
- Anemia
- Photophobia Raynaud's phenomenon

associated with polyautoimmunity1

Autoimmune diseases frequently

- Autoimmune thyroid diseases: Graves' disease, Hashimoto's thyroiditis
 - Celiac disease
- Connective tissue diseases: Sjögren's syndrome, systemic lupus erythematosus
- Inflammatory bowel diseases: Crohn's disease, ulcerative colitis
- Psoriasis and psoriatic arthritis Rheumatoid arthritis Type 1 diabetes mellitus
- Early recognition of polyautoimmunity is key. Timely symptom identification and referrals by general practitioners can improve patient outcomes and shorten the diagnostic journey.8,10,11



Resources and further learning

Visit thermofisher.com/polyautoimmunity for further insights on polyautoimmunity and how targeted testing decisions can aid in more accurate autoimmune disease

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diagnoses.

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