



## Anti-Aminoacyl-tRNA synthetase autoantibodies

### Indications

- ▶ Dermatomyositis
- ▶ Polymyositis
- ▶ PM/DM-overlap syndromes with other connective tissue diseases
- ▶ Antisynthetase syndrome
- ▶ Interstitial lung disease
- ▶ Raynaud's phenomenon (active stage, before starting therapy)

### see also

- ▶ Autoantibodies in idiopathic inflammatory myopathies

The most important anti-Aminoacyl-tRNA synthetase autoantibodies for the diagnosis of polymyositis and dermatomyositis are directed against the eight antigens listed below.

Synthetases	Synonyms	Prevalence
▶ <u>Alanyl-tRNA synthetase</u>	PL12	< 5 %
▶ <u>Asparaginyl-tRNA synthetase</u>	KS	< 3 %
▶ <u>Glycyl-tRNA synthetase</u>	EJ	< 3 %
▶ <u>Histidyl-tRNA synthetase</u>	Jo-1	20 - 30 %
▶ <u>Isoleucyl-tRNA synthetase</u>	OJ	< 3 %
▶ <u>Phenylalanyl-tRNA synthetase</u>	Zo	< 3 %
▶ <u>Threonyl-tRNA synthetase</u>	PL7	< 5 %
▶ <u>Tyrosyl-tRNA synthetase</u>	Ha	< 3 %

English text version in progress.