

# PRO-C3 and PRO-C6 fibrogenesis biomarkers in connective tissue disease-associated interstitial lung disease: results from the Phase IIb RECITAL trial

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## Background

- ILD is a major cause of morbidity and mortality in connective tissue disease (CTD)
- Cyclophosphamide is an effective treatment for CTD-ILD, but limited by side effects
- Rituximab was tested as an alternative in the RECITAL phase IIb trial (NTC1862926)
- Both drugs improved lung function with rituximab showing fewer adverse events (Maher, 2022. Lancet Resp Med)



### Cyclophosphamide

- Effective therapy in CTD-ILD
- Side effects



### Rituximab

- Rescue therapy in CTD-ILD
- Alternative?

### Severe or progressive CTD-ILD



- Systemic sclerosis
- Idiopathic inflammatory myositis
- Mixed CTD

### Rituximab

(1000 ng at weeks 0 and 2)

### Cyclophosphamide

(600 mg/m<sup>2</sup> every 4<sup>th</sup> week for 6 doses)

## Aim & Methods

### Evaluate the effect of cyclophosphamide and rituximab on fibrogenesis in CTD-ILD

Measure fibrogenesis biomarkers in serum from subjects enrolled in RECITAL at baseline, 12, 24 and 48 weeks after treatment

Biomarker	Description	Target
nordicPRO-C3™	Collagen formation	Type III collagen pro-peptide
nordicPRO-C6™	Collagen formation	Type VI collagen C-terminal

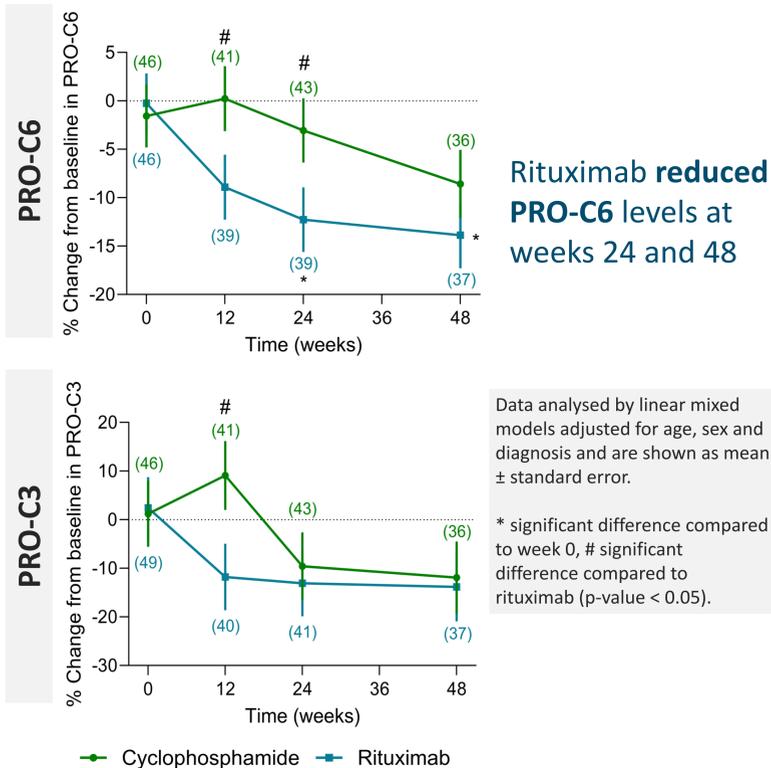


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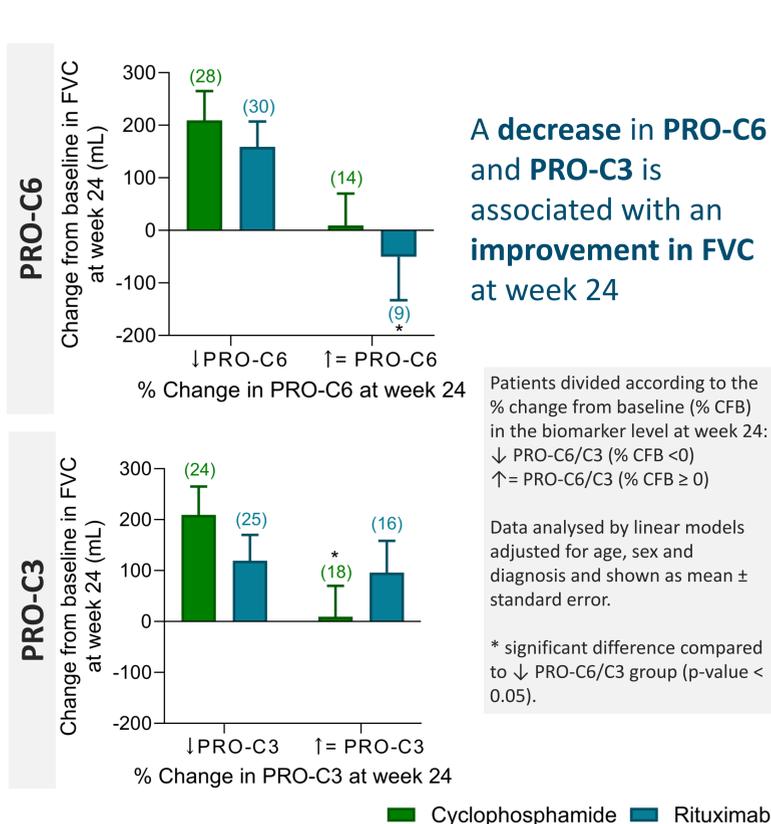
Disclosures: FILS, JSA, MAK, and DJL are employed at Nordic Bioscience and may be shareholders

## Results

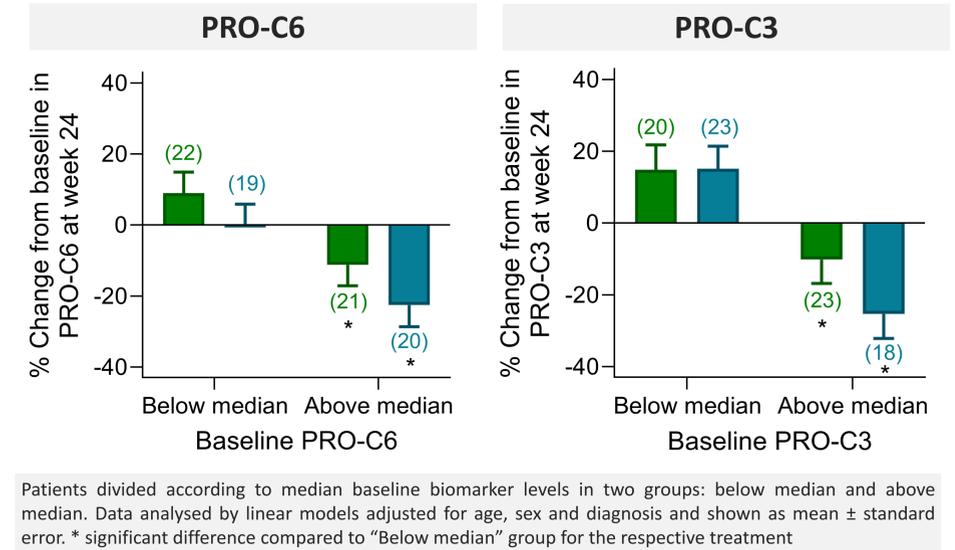
### Longitudinal change in fibrogenesis biomarkers



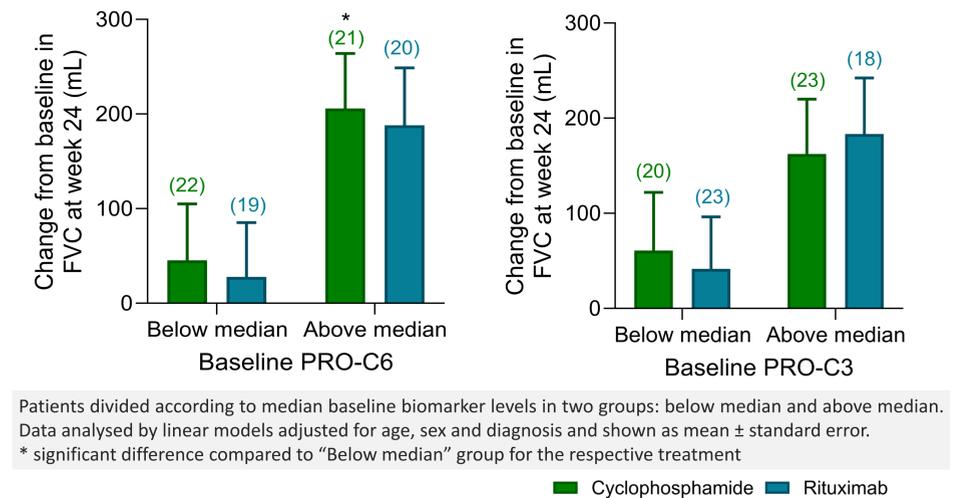
### Change in fibrogenesis biomarkers and FVC



### Baseline fibrogenesis biomarkers and FVC response



### Patients having higher baseline PRO-C3 and PRO-C6 display a greater biomarker reduction at week 24



### A higher baseline PRO-C3 and PRO-C6 is associated with a higher FVC increase at week 24

## Key Messages

- The decrease in PRO-C6 and PRO-C3 suggest that, besides their immunomodulatory effects, these drugs may also reduce fibrogenesis
- PRO-C3 and PRO-C6, measured at baseline and as % change from baseline, are associated with FVC response

These findings highlight PRO-C3 and PRO-C6 as promising biomarkers for progressive CTD-ILD