

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/m² every 4th 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

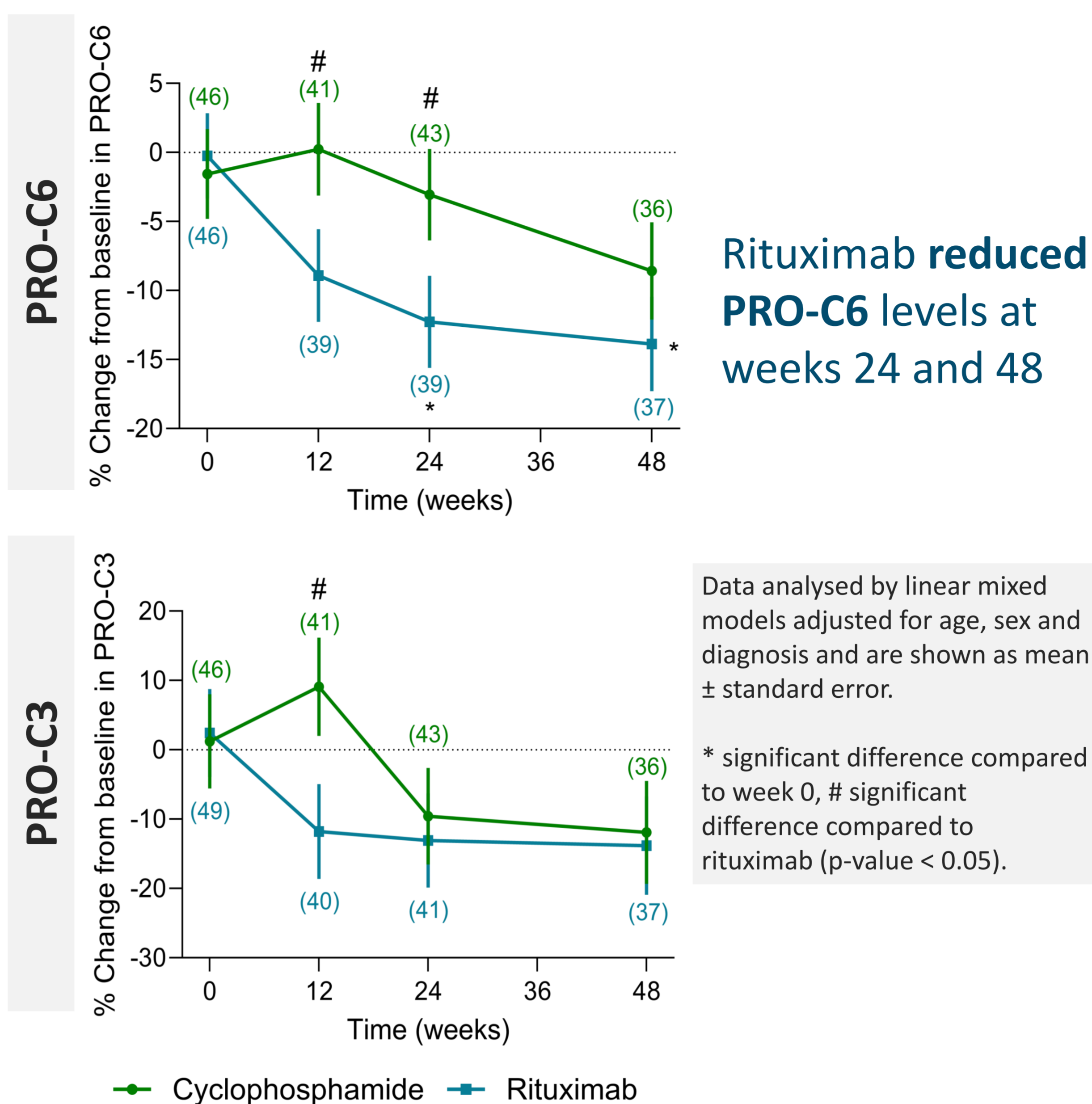
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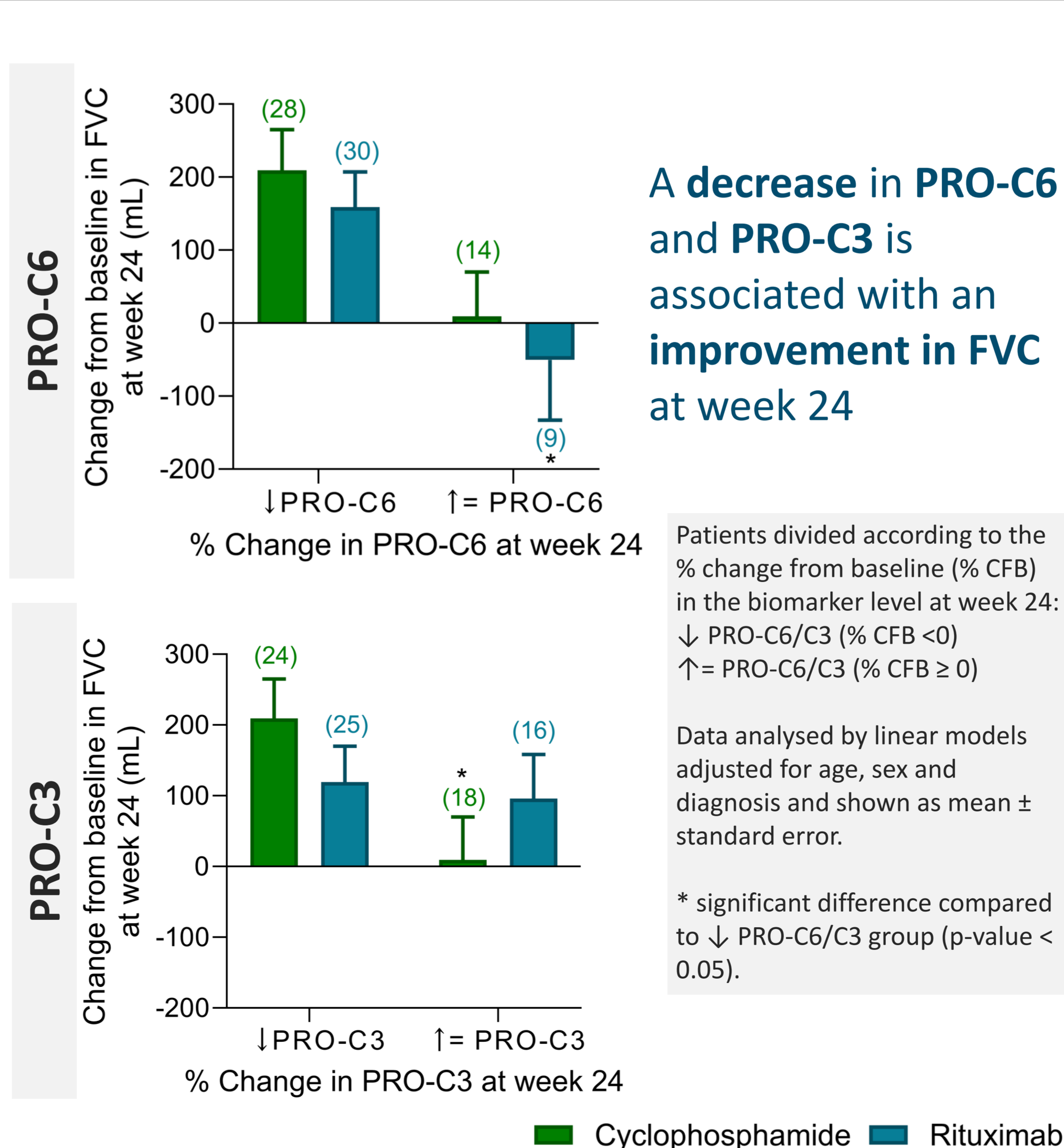


Results

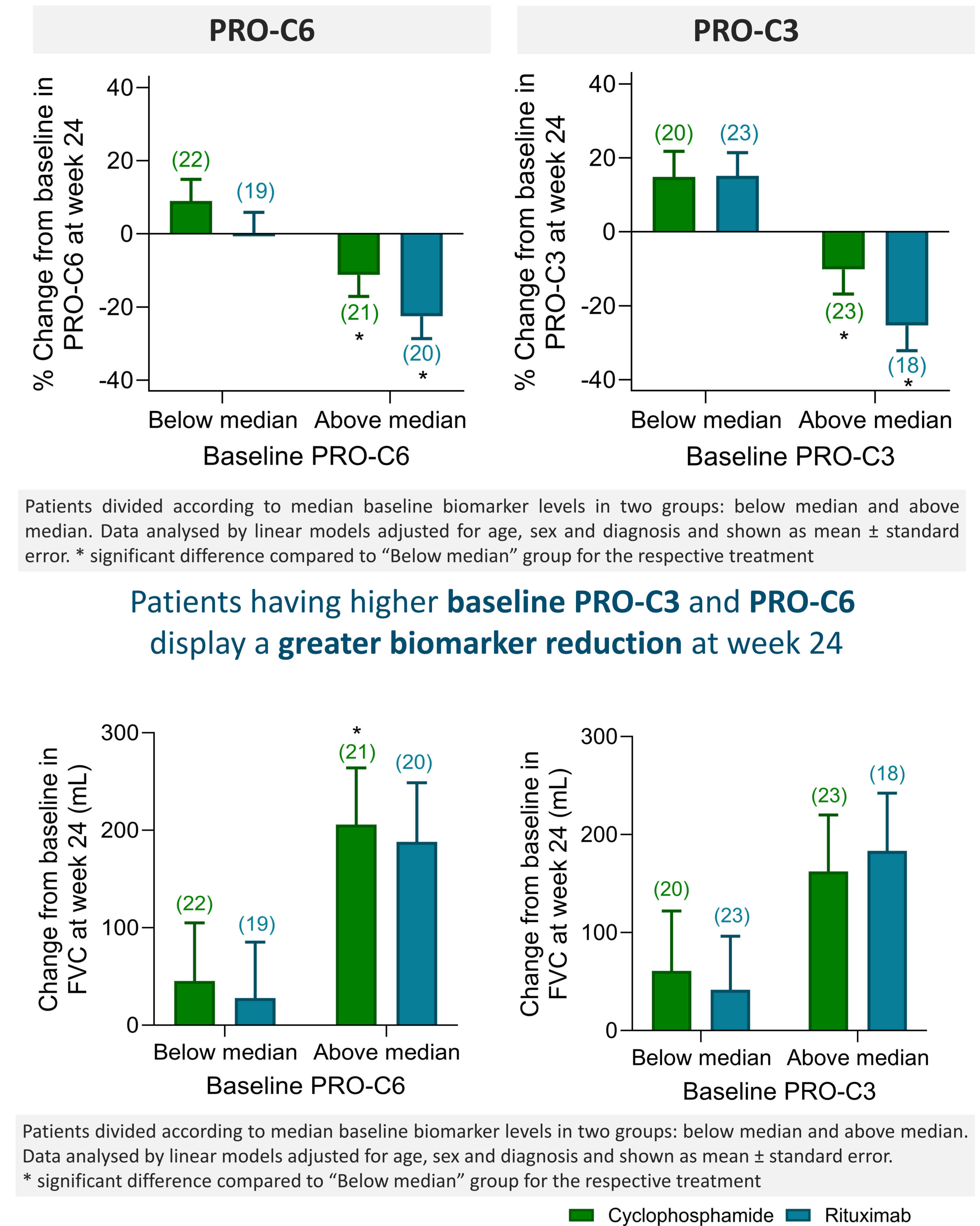
Longitudinal change in fibrogenesis biomarkers



Change in fibrogenesis biomarkers and FVC



Baseline fibrogenesis biomarkers and FVC response



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