Continued Treatment with Nintedanib in Patients with Progressive Fibrosing Autoimmune Disease-Related Interstitial Lung Diseases: Data from INBUILD-ON

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INTRODUCTION

- In the INBUILD trial in patients with progressive fibrosing interstitial lung diseases (ILDs) other than idiopathic pulmonary fibrosis (IPF), nintedanib reduced the rate of decline in forced vital capacity (FVC) compared with placebo, with a safety profile characterized mainly by gastrointestinal events, both in the overall population and in the subgroup with autoimmune disease-related ILDs.¹⁻³
- INBUILD-ON (NCT03820726) is an open-label extension of the INBUILD trial that is collecting data on adverse events and FVC decline in patients treated with nintedanib over the longer term.

AIM

• To assess adverse events and FVC decline in patients with autoimmune disease-related ILDs treated with open-label nintedanib in INBUILD-ON.

METHODS

- Patients had diffuse fibrosing ILD (reticular abnormality with traction bronchiectasis, with or without honeycombing) of >10% extent on HRCT, FVC \geq 45% predicted, DLco \geq 30%-<80% predicted. Patients with IPF were excluded.
- Patients met criteria for ILD progression at any point within the 24 months before screening, despite management deemed appropriate in clinical practice.¹
- Patients were randomized to receive nintedanib or placebo, stratified by fibrotic pattern on HRCT (usual interstitial pneumonia [UIP]-like fibrotic pattern or other fibrotic patterns).
- Patients who were still on treatment at the end of INBUILD could enter INBUILD-ON: - Patients who had received nintedanib in INBUILD and continued nintedanib in INBUILD-ON comprised the "continued nintedanib" group.
- Patients who had received placebo in INBUILD and initiated nintedanib in INBUILD-ON comprised the "initiated nintedanib" group.
- We analyzed adverse events and the change in FVC from baseline to week 60 of INBUILD-ON in patients with autoimmune disease-related ILDs based on a data snapshot taken on 15 October 2020. Analyses were descriptive.

CONCLUSIONS

- The adverse event profile of nintedanib over longer-term use in patients with autoimmune disease-related ILDs participating in INBUILD-ON was characterized mainly by gastrointestinal events and was consistent with that reported over 52 weeks in INBUILD.
- The rate of decline in FVC in patients with autoimmune disease-related ILDs receiving nintedanib was similar during INBUILD and INBUILD-ON.
- These findings support a clinically meaningful benefit of nintedanib in slowing the progression of autoimmune disease-related ILDs and a consistent safety profile over longer-term use.

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RESULTS

	Continued nintedanib (n=52)	Initiated nintedanib (n=61)
Mean (SD) age, years	63.9 (10.4)	64.7 (11.6)
Female (%)	61.5	54.1
Mean body mass index, kg/m ²	25.2 (5.3)	27.5 (4.8)
White, %	55.8	55.7
Current or former smoker, %	44.2	50.8
Mean (SD) years since diagnosis of ILD	6.9 (4.9)	5.2 (3.8)
UIP-like fibrotic pattern on HRCT, %	76.9	68.9
Mean (SD) FVC % predicted	64.5 (13.6)	66.7 (17.0)







