Impact of Extrafine Formulation Single-Inhaler Triple Therapy on Asthma Control and Treatment Adherence after Six Months of Treatment in Patients with Asthma - TriMaximize Study



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TRIMAXIMIZE

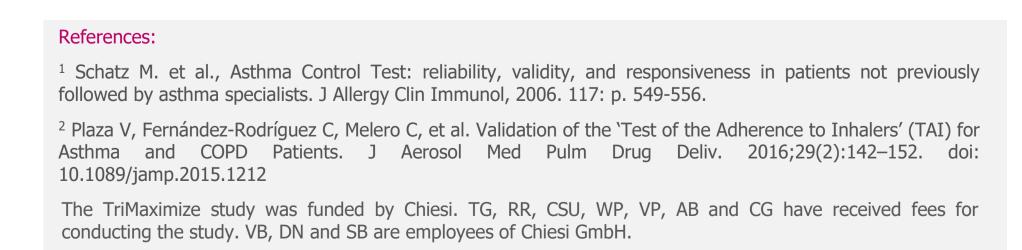
BACKGROUND:

• The TriMaximize study observes patients who have switched to extrafine formulation single-inhaler triple therapy (efSITT) consisting of **beclomethasone dipropionate/formoterol fumarate/glycopyrronium (BDP/FF/G)** in a real-world setting over a period of one to three years.

METHODS:

- This is a multinational, observational study that follows patients with asthma being prescribed efSITT. Patients were recruited at 125 sites across six countries (DE, UK, AT, DK, FR and ES). Here we present the data from the interim analysis after six months of observation.
- Asthma control was assessed by the Asthma Control Test (ACT)¹ and treatment adherence was evaluated using the Test of Adherence to Inhalers (TAI)².

Table 1. Baseline characteristics of patients (n=1090). Age, mean years (±SD) 58 (15) Female 690 (63.3) Sex, n (%) 400 (36.7) Male BMI (kg/m²), mean (±SD) 29.3 (7.8) 340 (31.2) Smoking status, n (%) Former smoker Current smoker 202 (18.5) Pack years, mean (±SD) 19.1 (15.5) Former smoker 24.9 (15.5) Current smoker Time since stopped smoking, years (±SD) 14.8 (12.5) Time since diagnosis at baseline visit, years (±SD) 14.4 (14.1) FEV₁ % predicted at baseline visit, mean (±SD) 67.08 (16.96) Exacerbation rate in the past year, mean (±SD) 1.8 (1.7) Asthma maintenance treatment 787 (72.2) ICS/LABA (fixed) before switch to efSITT, n (%) 34 (3.1) ICS/LABA (open) ICS/LABA/LAMA (fixed) ICS/LABA/LAMA (open) 252 (23.1) GINA Step 4 878 (82.6) Classification according to GINA criteria, n (%) GINA Step 5 185 (17.4)





RESULTS:

months was 3.0, SD ± 0.3).

Figure 1. Total mean ACT score at baseline and month six, n=470.

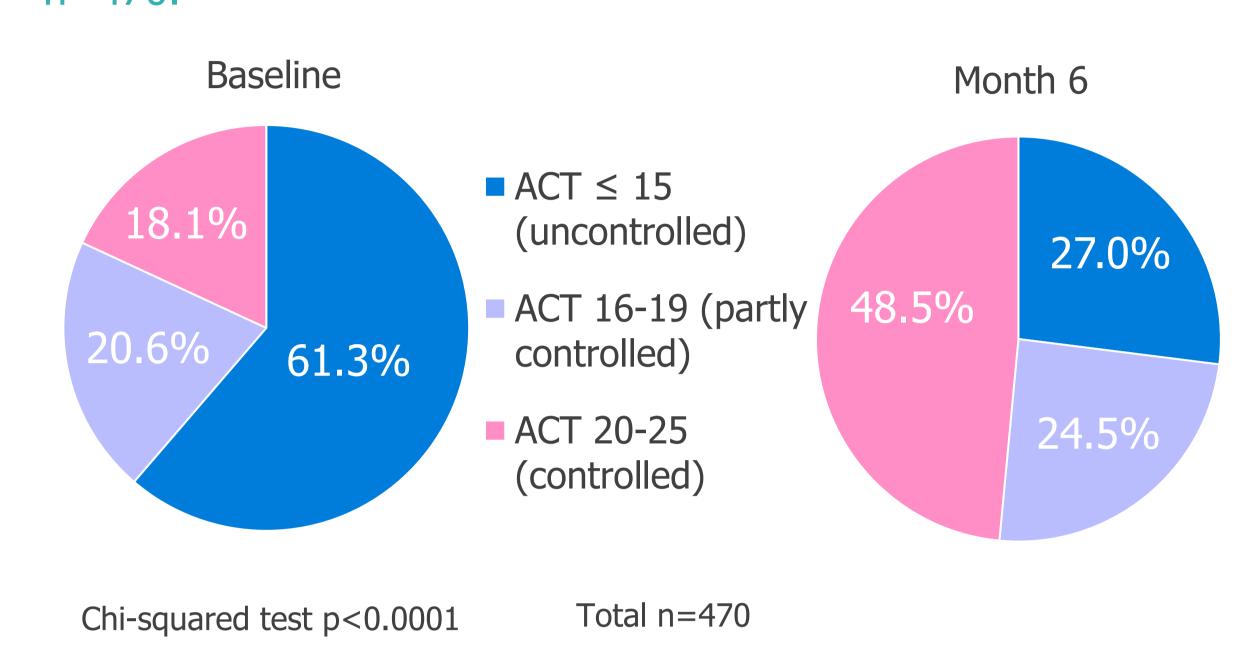
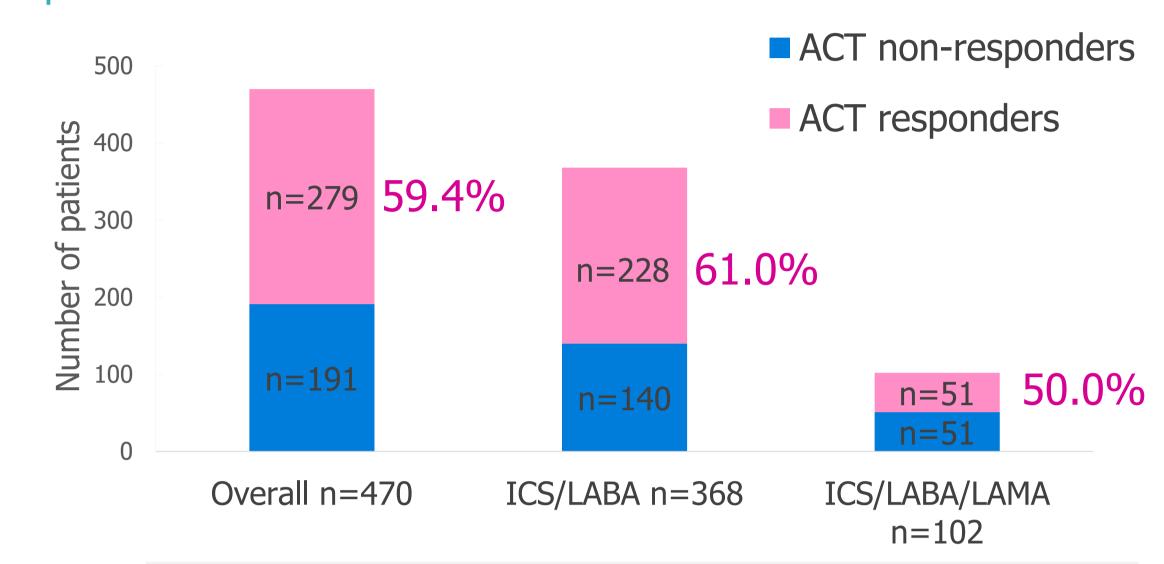


Table 2. Mean ACT score (±SD) and the change from baseline at month six, stratified by prior maintenance treatment.

Prior asthma maintenance treatment	ACT score at baseline	ACT score month 6	ΔACT score	Paired t-test
Overall population	14.7 (4.8) n=989	18.2 (4.6) n=513	3.8 (4.7) n=470	p<0.0001
ICS/LABA (open or fixed)	14.6 (4.7) n=749	18.3 (4.5) n=400	4.1 (4.7) n=368	p<0.0001
ICS/LABA/LAMA (open or fixed)	15.0 (5.0) n=240	17.9 (5.0) n=113	2.7 (4.4) n=102	p<0.0001

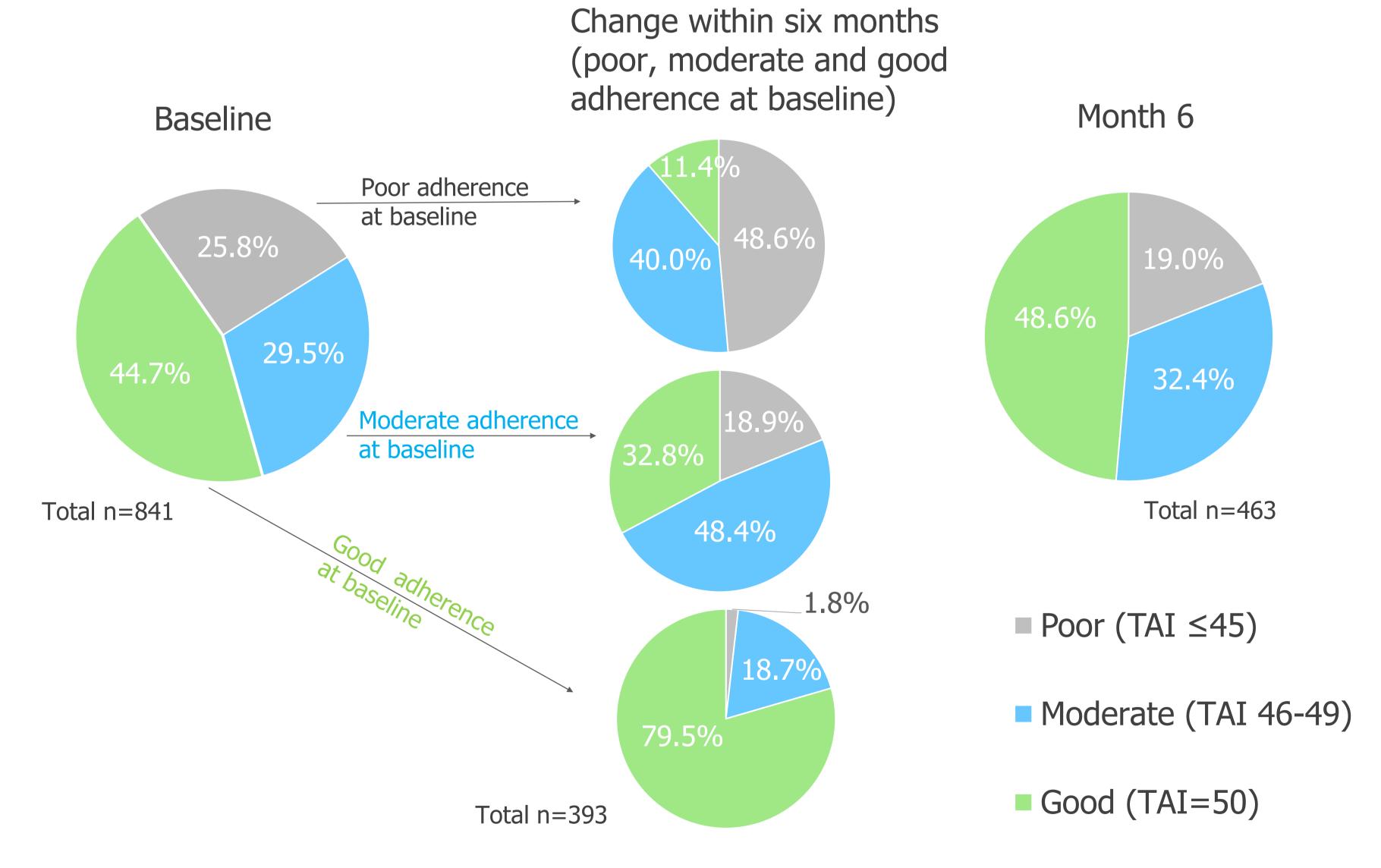
MCID for ACT score of 3 points was met or exceeded in the overall population and in the patients on prior ICS/LABA.





Overall, 59.4% of patients exceeded the MCID of 3 points for ACT and were classified as responders.

Figure 3. Change of adherence according to TAI-patient domain score from baseline to six months.

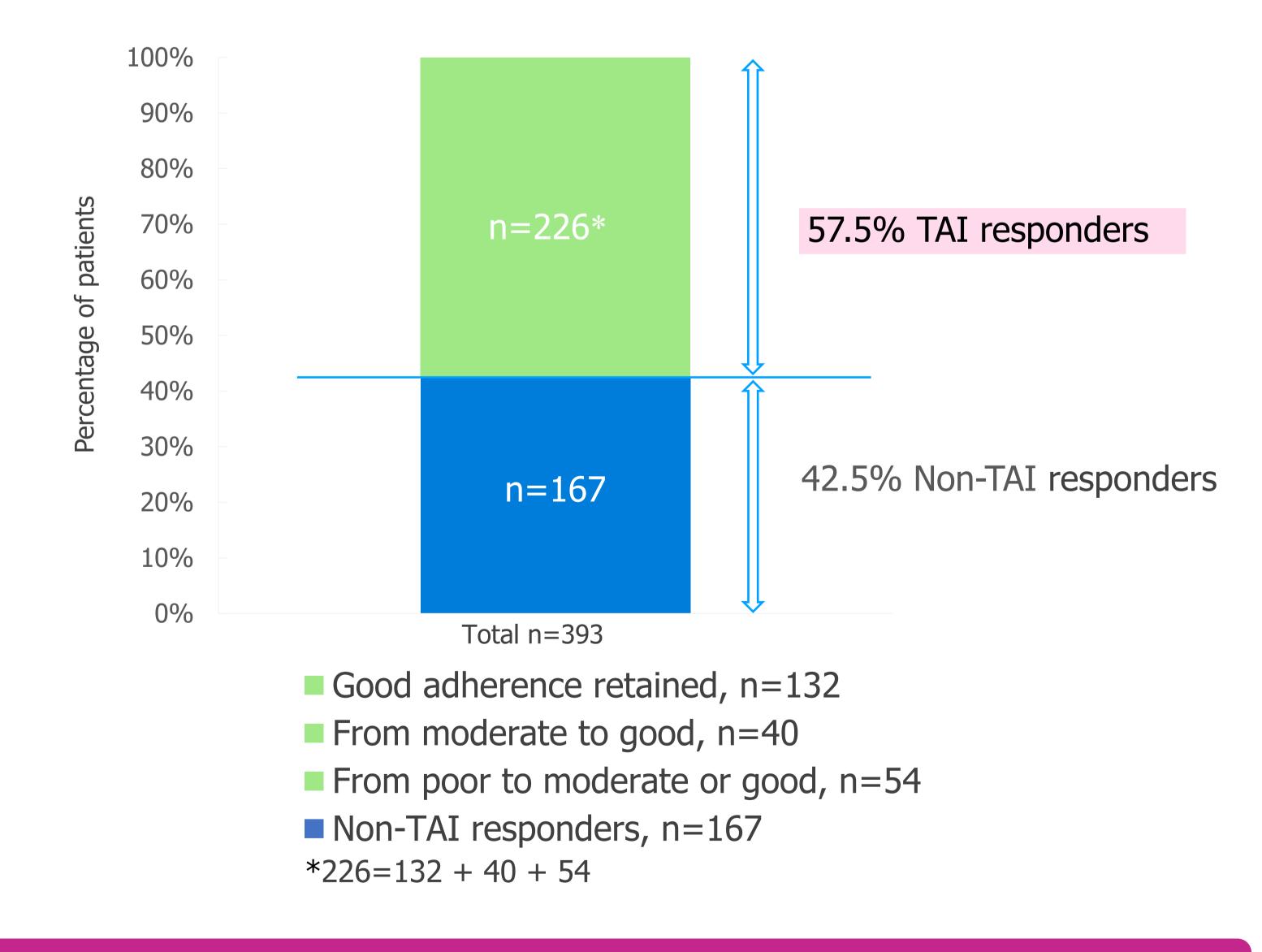


	Adherence at baseline, n (%)			
Adherence 6 months after switch to efSITT	Poor	Moderate	Good	
Poor (TAI ≤45)	51 (48.6)	23 (18.9)	3 (1.8)	
Moderate (TAI 46-49)	42 (40.0)	59 (48.4)	31 (18.7)	
Good (TAI=50)	12 (11.4)	40 (32.8)	132 (79.5)	

adherence at month six (TAI responders).

No change in TAI-health care professional domain was observed (the score at the baseline and after six

Figure 4. TAI responders according to change to a higher adherence category at month six.



CONCLUSION:

Switching from dual as well as triple combinations significantly improves asthma control and adherence after six months of efSITT.