Real-World Hereditary Angioedema Attack Rates Before and After Berotralstat Initiation Among Adolescents

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- membranes, which can be life-threatening.¹
- 12 years and older.^{2,3}
- medications among adolescents in a real-world setting.
- adolescent patients (ages 12–17 years).

METHODS

- last berotralstat dispensing (**Figure 1**).

Figure 1. Retrospective Pre–Post Study Design



and so on.

Study Outcomes

Statistical Analysis

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REFERENCES

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173 patients were excluded

Patients with only 1 berotralstat dispensing

57 patients were excluded

Patients with ICD-10-CM code^a T78.3 as their primary diagnosis

462 patients were excluded

32 initiated berotralstat on Quick Start and did not transition to PAP or Paid status, and had

970 patients were excluded

Patients aged \geq 18 at the index date

Patients (N=99)
467 + 700 [705]

465 ± 300 [395]

15.1 ± 1.6 [15] 68 (68.7) 69 ± 19 [63]

89 (89.9)	
5 (5.1)	
5 (5.1)	
34 (34.3)	

58 (58.6) 12 (12.1) 29 (29.3)



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End of study	(.5)	5(7.0)	6 (10.0)	5(10.2)	3 (7.1)	5 (13.9)

assessment of HAE attacks during follow-up but none during the first interval. ^bOther reasons for sample size decrease were no HAE attack report associated with dispensing in interval (0.0%–2.4%) and discontinuation and later re-initiation (0.0%–3.3%).

Figure 4. Reductions in HAE Attack Rates After Berotralstat Initiation

Attack rates (attacks/month) decreased...

At 3 months by	1.49 * attacks/r
At 6 months by	1.68 * attacks/r
At 9 months by	1.55 * attacks/r
At 12 months by	1.56 * attacks/r
At 15 months by	1.64 * attacks/r
At 18 months by	1.85 * attacks/r

Cl, confidence interval. HAE, hereditary angioedema. * Indicates p<0.05

Limitation

• A berotralstat dispensing does not necessarily indicate that the medication was consumed or taken as prescribed.

CONCLUSIONS

Adolescents initiating berotralstat reported statistically significant and sustained HAE attack rate reductions across all 90-day intervals through 18 months of follow-up.



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