

In phase III clinical studies, treatment with teduglutide was associated with clinically meaningful reductions ($\geq 20\%$ from baseline) in parenteral support (PS; parenteral nutrition and/or intravenous fluids) requirements in adult patients with intestinal failure associated with short bowel syndrome (SBS-IF)” Iyer et al (2016).

Abstract:

Background: In phase III clinical studies, treatment with teduglutide was associated with clinically meaningful reductions ($\geq 20\%$ from baseline) in parenteral support (PS; parenteral nutrition and/or intravenous fluids) requirements in adult patients with intestinal failure associated with short bowel syndrome (SBS-IF). This analysis reports clinical characteristics of patients who achieved complete independence from PS during teduglutide treatment.

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Materials and Methods: Post hoc analysis of adult patients who achieved complete PS independence during treatment with teduglutide 0.05 mg/kg/d. Data were pooled from 5 teduglutide clinical trials (2 phase III placebo-controlled trials and their respective extension studies). Descriptive statistics were used; no between-group comparisons were performed because of the small sample size and lack of comparator.

Results: Of 134 patients, 16 gained oral or enteral autonomy after a median of 5 years of PS dependence and 89 weeks of teduglutide treatment. Demographic and baseline disease characteristics varied among patients (median age, 55 years; 50% men; median baseline PS volume, 5.1 L/wk; median residual small intestine length, 52.5 cm). Most patients who achieved PS independence had colon-in-continuity; however, there was no significant difference in the frequency of PS independence among patients who maintained colon-in-continuity vs those who did not.

Conclusion: Findings from this post hoc analysis suggest that oral or enteral autonomy is possible for some patients with SBS-IF who are treated with teduglutide, regardless of baseline characteristics and despite long-term PS dependence.

Reference:

Iyer, K.R., Kunecki, M., Boullata, J.I., Fujioka, K., Joly, F., Gabe, S., Pape, U-F., Schneider, S.M., Casas, M.N.V., Ziegler, T.R., Li, B., Youssef, N.N. and Jeppesen, P.B. (2016) Independence From Parenteral Nutrition and Intravenous Fluid Support During Treatment With Teduglutide Among Patients With Intestinal Failure Associated With Short Bowel Syndrome. JPEN. November 22nd. .

doi: 10.1177/0148607116680791

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