

A retrospective study in children who have switched to isosource junior mix formula (RICIMIX study)

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Blended foods via a feeding tube are becoming popular amongst parents of children requiring long term tube feeding.

1. A tolerance and acceptability study for a new paediatric tube feed with food derived ingredients - Isosource Junior Mix (ISJMIX) was conducted in 2018 and found improvements in stool consistency/ frequency, retching and reflux.

2. A follow up study RICIMIX was conducted during March 2021 to July 2021 across four National Health Services Trusts (UK). A Microsoft form was used to capture anthropometric and gastrointestinal outcomes over a month period when patients switched feed to ISJMIX. Data was completed for 35 children, 19% had cerebral palsy and 19% had epilepsy as primary diagnosis. The common route of feeding was bolus (57%) via a PEG tube (57%). Improvements seen with switch to ISJMIX included gagging, reflux and retching for 16 (46%) children; 13 (37%) gas/ bloating, 8 (23%) vomiting, 8 (23%) loose stools. Six (17%) children saw improvements with constipation resulting in a reduction or cessation of medication. 13 (37%) children reported improved weight within the one month study period. Interestingly, 12 (34%) children saw changes in feeding patterns such as less time spent on feeding, simplified feeding regimens enabling families to go on holidays. 29 (83%) of dietitians felt the new feed achieved tolerance goals for children. 30 (85%) of children experienced an improvement in feed tolerance within one week. Our clinical experience in this real-world evidence-type study showed meaningful improvements in paediatric patients fed with food derived enteral formula.

Biography

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