New Directions in the Innovative Model of Online Training for Nutritional Management of Inherited Metabolic Disorders

Ryan LR1, Pringle TA1, Blair RB1, Douglas TD1, Kenneson-Adams A1, Stembridge A1, Singh RH1

1Department of Human Genetics, School of Medicine, Emory University, Atlanta, GA, United States.

Background

- There is limited formal training available for Registered Dietitians (RDs) in the field of Inherited Metabolic Disorders (IMDs)
- The Electronic Genetic Nutrition Academy (eGNA) was the first online program developed to meet this need

Objectives

- The objective of this poster is to analyze the participation in the journal club and case conference to better understand the learning needs of participants

Methods

- Phase I of eGNA includes interactive web-based case conference and journal club, online forum discussions facilitated by national experts, and medical commentary videos from experienced providers
- Participants complete pre- and post-tests for each session, receiving certificates of completion for up to 4 continuing education units (CEUs)
- Data were collected and analyzed from 11 sessions across 4 years covering a variety of topics

Results

- Worldwide registration has increased from 266 in year 1 to a total of 1155 by year 4

Live Attendance Trends

- To date, 538 people have participated in eGNA during live sessions with 46% participating in the case conference, 25% in the journal club and 28% in both
- Certificates of completion for 388 CEUs were awarded to participants who completed both pre and post-test including 207 (53%) attendees for case conference and 181 (47%) attendees for journal club
- Given that more participants chose to complete case conferences, including pre- and post-tests, rather than journal club we conclude that there is a greater worldwide interest in learning about IMDs through a case-based approach

Summary & Conclusion

- Based on these observations, we have expanded eGNA by utilizing Project ECHO (Extension for Community Healthcare Outcomes), a collaborative model of education, to create a cohort-based, case-learning platform to provide better care, right where they live
- The next phase of eGNA will include a course that incorporates didactic modules and case-based learning

Acknowledgements & Funding

- Partially supported IMD professional community donations, Southeast Regional Genetics Network — a HRSA supported partnership — GRANT # UH7MC30772 and Georgia CTSA - Emory School of Medicine Dean’s Imagine, Innovate and Impact (Iᶾ) Education Award 2020