

**Emory University Department of Human Genetics  
Electronic Genetic Nutrition Academy (eGNA)  
Course Syllabus**

**Course Title:** eGNA Case Conference and Journal Club  
**Session 14:** Palynziq and Maternal PKU

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**Course Prerequisites:**

This course is intended for practicing dietitians, nutritionists, and clinicians. However, those who are working in the healthcare field are encouraged to participate as well.

**Course Public Homepage:**

<https://egeneticnutritionacademy.org/>

**Course Library and Conference Center:**

**Course Overview:**

In the field of inherited metabolic disorders (IMD), only 1 or 2 dietitians are typically hired as part of a clinic team to provide nutrition management to patients living with these rare diseases. Although evidence-based guidelines have been created for some IMDs and are currently in development for treating other IMDs, metabolic dietitians still search for ways to balance the art and science of treating this unique patient population. Few clinic teams are fortunate to have a metabolic dietitian with decades of experience in this specialty. Dietitians new to the field often feel professionally isolated as a result. This case conference series will provide a rare opportunity for networking and facilitating ongoing collaborations among participants.

This course is primarily focused on professionals in the field of genetic metabolic disorders, however, others may register. The course will support new and experienced health professionals in the field.

During this series, participants will submit cases which have been unusual or difficult to resolve in his/her clinic. Guest faculty from Genetic Metabolic Dietitians International (GMDI) will then choose cases for discussion in a webinar format. In this way, the faculty will serve as an ongoing resource and participants will be able to directly apply concepts to their clinical practice. Additionally, participants will share with their peers for support and input.

**Course Goals and Objectives:**

**Goal:** To increase global clinical and nutritional management knowledge about inherited metabolic disorders (IMDs) among genetic metabolic dietitians, nutritionists, and other clinicians and translate this knowledge to inform patient care.

**Course-Level Learning Objectives:**

Participants will:

- Translate theory learned in the eGNA Case Conference into clinical practice through discussions with instructors, classmates, and international metabolic dietitian community.
- Learn strategies to solve clinical cases through instructor and peer modeling of cognitive processes.
- Network and build camaraderie with professional peers and instructors through synchronous and asynchronous interactions.
- Discover and share best practices for acute and long-term nutrition management of patients with inherited metabolic disorders in a clinic setting.
- Devise and practice methods to effectively solve clinical cases.
- Develop effective learning strategies in one's clinical practice.

**Course Components:**

- **Case Conference** is comprised of:
  - Pre-Test
  - Live Webinar
  - Discussion Forum
  - Post-Test/Evaluation

The webinar will take place via Adobe Connect with individual or team presenters who share

one or more unique clinical cases in the area of IMDs. The one-hour webinar session will include a presentation, comments by the facilitator, and questions & answers (Q&A) segments. The Q&A will continue after the case conference via the online discussion forum in the eGNA Library and Conference Center.

- **Journal Club** is comprised of:
  - Live webinar
  - Pre-Test
  - Discussion Forum
  - Post-Test/Evaluation

Participants will obtain the assigned journal article, evidence analysis worksheet, and evidence analysis training via the eGNA Library and Conference Center. The webinar will take place via Zoom with individual or team presenters who share one or more unique journal articles in the area of IMDs. The one-hour webinar session will include a presentation, comments by the facilitator, and questions & answers (Q&A) segments. The Q&A will continue after the journal club via the online discussion forum in the eGNA Library and Conference Center.

- **Medical Commentary** is a 7-10 minute pre-recorded video that describes a clinical team member's personal viewpoint working with the disorder(s) discussed during the Case Conference and Journal Club webinars.

The overall objectives of the medical commentary are:

- To gain better understanding of clinical care on a team level
- To share the perspective of a team member (medical geneticist, lab director, NBS coordinator, etc.)
- To educate team members on the educational needs of metabolic dietitians

Participants can post questions and comments after viewing the Medical Commentary via the online discussion forum.

- **Evidence Analysis Worksheet** is an in-depth tool for critically appraising an article to determine whether or not the article has had an impact on clinical practice. By completing the Evidence Analysis Worksheets, participants go through the process of critically appraising the journal club article. By doing so, they demonstrate an understanding of the key points of the article, as well as the strengths and weaknesses of the research approach in the article.
- **Discussion Forums** are available in the eGNA Library and Conference Center. The purpose of the eGNA Discussion Forums is to
  - engage in deeper dialogue about the Case Conference and Journal Clubs
  - facilitate communication among participants in the hope of fostering professional development, as well as improving the delivery of nutrition care to patients with inherited metabolic disorders

They are expected to be used as a global resource for dietitians seeking advice regarding the medical nutrition therapy of patients with inherited metabolic disorders. The discussion forums

are ongoing and open year round.

Participants will be able to post questions and comments on the following topics:

- Case Conference Sessions
- Journal Club Sessions
- Clinical Experiences
- Workforce Capacity
- Knowledge & Resource Sharing

### **Continuing Education Requirements:**

By completing the following requirements, you will be able to receive up to 4 continuing units (CEs).

1. Attend the Case Conference Webinar, complete pre-test/post-test & evaluation, and post at least 2 comments/question in the discussion forum **(1 CE)**
2. Attend the Journal Club Webinar, complete the pre-test/post-test & evaluation, and post at least 2 comments/questions in the discussion forum **(1 CE)**
3. Complete evidence analysis training, pre-test and post-test available in the eGNA Library and Conference Center (accessible anytime with username and password) **(1 CE)**
4. Read the journal article and complete the Evidence Analysis Worksheet **(1 CE)**

*In order to receive a certificate of completion and CEs, you must complete the course evaluation.*

### **Technical Requirements:**

Participants will need the following technology in order to access the online case conference and the journal club.

#### **Hardware**

- Access to a computer with speakers and a microphone (an affordable USB headset is recommended for individual use and speaker phone for groups)
  - Windows 7 and above
  - Mac OS 10.6 and above
  - Ubuntu 14.04; Red Hat Enterprise Linux 6; OpenSuSE 13.1
- Internet Access - minimum recommended connection – 10mb download speed (<http://speedtest.net>)

#### **Software**

- [Adobe Acrobat \(to open PDFs\)](#)
- An Office Processing application (any of these will work)
  - Microsoft Office
  - Open Office
- Internet browsers to access course materials such as:
  - [Mozilla Firefox](#)
  - [Google Chrome](#)
  - [Safari](#)
- [Zoom Test your Computer Diagnostic Tool](#)

#### **Plugins**

*The following plugins are required for this course at no additional cost:*

[Adobe Acrobat Reader](#)

[Java](#) must be updated!

### Web Tools

You'll be using each of the following tools to meet specific learning goals and interactions.

- eGNA Library and Conference Center <https://egna.genetics.emory.edu/>
- Zoom Web Conferencing Software <https://emory.zoom.us/meeting>
- phpBB Bulletin Board Software <https://www.phpbb.com/>

### Learning Community Overview

We will use the following platforms/technologies for our interactions.

- [eGNA Library and Conference Center https://egna.genetics.emory.edu/](https://egna.genetics.emory.edu/)
  - Upon completion of the registration process, participants will receive a Welcome Email from eGNA. This email will contain your account information for the eGNA Library and Conference Center (LCC) to access the webinars, medical commentaries, discussion forums, materials, and resources for Case Conference and Journal Club.
- [Zoom](#)
  - Course Director will provide participants Zoom webinar links via email. The webinar links are also accessible via the LCC.
  - Case Conferences and Journal Clubs will be recorded for participants who missed the live webinar or for participants who wish to view again. Link to the recording will be posted in the LCC.
- eGNA Discussion Forums ([phpBB](#))
  - The eGNA Discussion Forums are phpBB bulletin boards that are accessible via the LCC.
  - Participants will discuss Case Conference and Journal Club for CEs, but they can also discuss other topics related to the field of IMDs.  
The discussion forums are ongoing and open year round.

### Netiquette & Discussion Expectations:

Participants are expected to observe proper netiquette when communicating among instructors and fellow classmates. For a review, please refer to following links:

Etiquette in Technology [https://en.wikipedia.org/wiki/Etiquette\\_in\\_technology](https://en.wikipedia.org/wiki/Etiquette_in_technology)

The Core Rules of Netiquette <http://www.albion.com/netiquette/corerules.html>

A professional, respectful, and safe space for interaction will be better maintained if mindful of proper netiquette. Below are some guidelines to follow when posting in the discussion forum.

### Rules for Discussions:

- Each thread will address a different issue related to the topic of the webinar or journal article paper.
  - Journal Club participants are required to post at least 2 questions/comments.
- Replies are expected to reflect the intellect and critical thinking capability of participants. Simple answers such as "I agree" or "That sounds about right" can be part of the conversation but do not count as participation worthy of CE credit.

- Your original thoughts should be part of your reply. Plagiarism of texts, articles, videos, books, or other sources of media or written information will not be tolerated in discussions. If you need to back up a point with a valid source, use quotes and cite references.
- Addition of links to valid sources of information are acceptable
- Discussion posts should be reasonable in length. Preferably no more than 250 words per post.
- Appropriate etiquette will be enforced. For example:
  - Keep all postings respectful. No insulting, flaming or demeaning language of any kind
  - Political and religious conversation stays off the forums
  - Converse only in Standard English. Keep language clean and appropriate.
  - Avoid overuse of text speech and acronyms.

**Plagiarism/Academic Honesty:**

According to the Merriam-Webster Dictionary, plagiarism is defined as the act of using another person's words or ideas without giving credit to that person

Source: Merriam-Webster Dictionary <http://www.merriam-webster.com/dictionary/plagiarism>

Below are some ways to prevent plagiarizing:

- Paraphrase the content into your own words ensuring that the words are not copied verbatim from the original text. Place citations in parenthesis at the end of the sentence/paragraph.
- Use citations to avoid plagiarizing. Be sure to write at least the authors' name, date of paper, and/or PubMed ID number.
- If using direct quotes, use citations to give credit to the author immediately after the quote.
- If you are using your own information from previous work. You should cite the text the same as if you are citing the works of another author.
- To avoid plagiarizing, always include a reference at the end of your post.

Sources for ways to prevent plagiarizing provided from

- 6 Ways to Avoid Plagiarism in Research Papers <http://en.writecheck.com/ways-to-avoid-plagiarism/>
- Wikipedia Definition of Plagiarism <http://en.wikipedia.org/wiki/Plagiarism>