



Ethical Dilemmas of Genomic Sequencing

Internet Enduring Material

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Content was originally presented at NEO: The Conference for Neonatology on February 21, 2020.

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The ACCME recognizes this educational activity as an Internet Enduring Material. The estimated time for completion of this Internet Enduring Material is 60 minutes. This presentation was released on September 14, 2020. The expiration date of this Internet Enduring Material is September 13, 2023.

The ANCC recognizes this educational activity as an Internet Enduring Material. The estimated time for completion of this Internet Enduring Material is 60 minutes. This presentation was released on September 14, 2020. The expiration date of this Internet Enduring Material is September 13, 2023.

Target Audience:

This presentation is intended for physicians, advanced practice providers, and other clinicians who treat and provide care for premature infants.

Disclosure of Financial Relationships:

Disclosure of Financial Relationships and Resolution of Conflicts of Interest is designed to ensure quality, objective, balanced, and scientifically rigorous continuing education activities. All individuals in a position to influence and/or control the content of continuing education activities have been asked to disclose all relevant financial relationships within the past 12 months. Any real or apparent conflicts of interest related to the content of the faculty's presentation have been resolved as have any real or apparent conflicts of interest by the planners as related to the content of this conference. Beyond disclosure of relevant financial relationships, faculty are required to disclose when they plan to discuss pharmaceuticals and/or medical devices that are not approved by the FDA and/or medical or surgical procedures that involve an unapproved or "off-label" use of an approved device or pharmaceutical. The MEDNAX Center for Research, Education, Quality and Safety is committed to providing learners with commercially unbiased continuing education activities.

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John Lantos, MD - Director, Children's Mercy Bioethics Center, Children's Mercy Hospital; Professor of Pediatrics, University of Missouri at Kansas City, Kansas City, MO.

Disclosure(s) - I/we have no financial relationships to report. FDA: Nothing to disclose.

Nicole Brenson, MEd Disclosure(s) - I have no financial relationships to report.

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Kassandra S Greci, DNP, APRN, WHNP-BC Disclosure(s) - I have no financial relationships to report.

Commercial Support:

There is no commercial support for this educational activity.

Please note that the content of this educational activity was originally presented at a live conference (NEO: The Conference for Neonatology) on February 21, 2020, which was supported in part, through restricted medical education grants from Mead Johnson Nutrition, Mallinckrodt Pharmaceuticals, and Abbott Nutrition.

Gap/Purpose:

The purpose of this educational activity is to enhance clinician knowledge in the ever-changing area of complications associated with Neonatology as well as promising new techniques and interventions for improving outcomes in this arena. This presentation will address the ethical dilemmas related to the use of genome-sequencing technology due to its limited FDA approval, high cost, and insufficient data of risks and benefits within a large, varied sample size.

Objectives: At the conclusion of this activity, the participant will be able to:ACCME Objectives

1. Identify the ethical dilemmas associated with the use of genome-sequencing technology for clinical decision making.
2. Describe the complexities related to the interpretation of genome-sequencing findings.
3. Discuss evidence-based challenges associated with the sharing of genomic test results with patient's guardian(s).

CME – ACGME/ABMS Competencies: Patient Care and Procedural Skills, Medical Knowledge, Professionalism and Interpersonal and Communication Skills.

ANCC Learning Outcomes

1. Identify the ethical dilemmas associated with the use of genome-sequencing technology for clinical decision making.
2. Describe the complexities related to the interpretation of genome-sequencing findings.
3. Discuss evidence-based challenges associated with the sharing of genomic test results with patient's guardian(s).

ANCC – IOM Competencies

1. Employ evidence-based practice

Participation and Credit:

Participants are expected to review all content in the video, access reference materials as needed for additional self-directed learning, take and score 75% or greater correct on the post test, and complete the evaluation in order to earn *AMA PRA Category 1 Credit(s)[™], nursing contact hour(s) and/or pharmacotherapeutics contact hour(s)*.

There are no fees for participating in or receiving credit for this online educational activity. For information on applicability and acceptance of credit for this activity, please consult your professional licensing board.

Contact: Should you have any questions or concerns, please contact us at continuing_education@mednax.com