PAS2021 Virtual
Pediatric Academic Societies

Sample Workshop Description PAS 2021

For Workshops: Please put the detailed description of your workshop proposal, including speakers, segments, and timing into the “Description” field. Workshop proposals will not need to list individual speakers and time slots in a separate section for PAS 2021. Include any additional learning agenda details directed at workshop reviewers in the “Additional Comments” field.

1618 New Approaches in Newborn Medicine: Who Needs Genetic Testing, Which Tests to Perform, and How to Communicate Results

Session Affiliations: Society for Pediatric Research

Target Audience: Clinicians working in neonatal intensive care units (physicians in training, attending physicians, advance nurse practitioners, etc.)

Objectives: After the session, participants will be able to …

1) Select which newborn infants need to undergo genetic testing in the NICU.
2) Evaluate which genetic test(s) to perform in selected newborn infants.
3) Interpret and prepare results for communication with families.

Description: Rapid genome sequencing is changing the way newborns are cared for in neonatal intensive care units (NICUs). There is a need to increase the genetics and genomic expertise of neonatal clinicians. The workshop is designed for clinicians taking care of newborn infants. It provides an opportunity to enhance their knowledge on the specific clinical presentations that might warrant genetic testing, tests that might be ordered, interpretation of the results, and approaches to discuss results with families.

TIMELINE

8:00-8:10 AM
Introductions
Interactive survey to learn more about participants in workshop
Agenda
Survey

8:10-8:25 AM
When to Consider Genetic Testing: How to recognize when a patient may have a genetic condition
Handout with cardinal features - “When to think about genetics”

8:25-8:40 AM
Small Group I
(Present multiple cases and discuss within groups whether they likely have a genetic diagnosis)
Can use interactive surveys for each group to “lock-in” their answers
Each individual will first evaluate separately, then discuss in dyads
Slides with cases and embedded surveys

8:40-8:50 AM
Large Group I
What did you learn from this activity?
8:50-9:05 AM
Genetic Testing 101: Basics of genetic testing and results
Genetic testing 101 handout with resources

9:05-9:20 AM
Small Group II
(Present case study of one of the patients discussed during session I)
Provide options for testing
Each individual reflect on what they would choose
Discuss choices within dyads and come to an agreement
Lock-in what they would choose on interactive survey

9:20-9:35 AM
Large Group II
Discuss survey results-are there any outliers? What is their reasoning?
Summarize viewpoints-did we come to a consensus? Do we need to? What/to whom is our obligation?

9:35-9:45 AM
BREAK

9:50-10:05 AM
Ethical Reporting in difficult cases

10:05-10:20 AM
Result Communication 101: Possible ways to discuss results with patients

10:20-10:35 AM
Small Group III:
Mock patient situation – one participant as patient, one as provider – practice result communication with “patient” feedback
Mock genetic testing report

10:35-10:50 AM
Large Group III:
What did you learn from your “patient” about communicating these results?
What did you learn as a “provider” about interpretation of these results?

10:50-11:00 AM
Reflection and Evaluation
Reflection activity
Evaluation and Wrap Up
Evaluation Form