

EPNS Visiting Teacher 2025

April 27-29.

MediClubGeorgia Medical Center
22A, Tashkenti Str. Tbilisi, Georgia

Page | 1



From Genetic Testing to Targeted Disease Management in Pediatric Epilepsies

*Visiting Teacher : Prof.PasqualeStriano. Institute Name: IRCCS Gaslini Children's Hospital,
University of Genova, Genova, Italy*

*Host: Dr. Gia Melikishvili, MediClubGeorgia Medical Center; Division of Child Neurology; Tbilisi,
Georgia*

European Paediatric Neurology Society
Email: info@epns.info

საქართველოს თანდაყოლილ მეტაბოლურ დარღვევებსა და იშვიათი ეპილეფსიების საზოგადოება
Georgian Society for Inborn Errors of Metabolism and Rare Epilepsies

Objective of the Proposed Visit: The objective of this visit is to enhance the understanding and implementation of genetic testing and precision medicine in pediatric neurology within our institution. The visit aims to provide detailed insights into the latest advancements in genetic testing, the transition to precision medicine in epilepsy treatment, and the management of developmental and epileptic encephalopathies (DEE). This visit will significantly benefit pediatric neurologists, fellows, and other healthcare professionals by expanding their knowledge and skills in these critical areas.

Participants in the Visit: The visit will include fellows, young pediatric neurologists, pediatricians, and other relevant healthcare professionals.

Venue:

- Medclub Georgia Medical Center
- **Language :** English

Page | 2

Programme

Day 1 (27.04.2025) – Session chair – Gia Melikishvili

10:00-11:00 AM

- Meet and Greet Sessions (Meeting at CEO/Clinical director office, Short trip around clinic)

11:00 – 11:15 AM

- Welcoming and Opening – *Makhatatdze D., Sergeenko D., Melikishvili G.* (Adnai Adnaev Hall)

11:15-12:00AM

- Historical Aspect – From Hippocrates to the Era of Precision medicine: Where are we now – *Striano P.*

12:00 – 12:45

- Changing Paradigms in Clinical Epileptology
 - Genetic Work-up/Algorithms: Comparing the Diagnostic Yield of Karyotype, Chromosomal Microarray, Panels, WES, and WGS – *Falace A.*

LUNCH (12:45-14:00)

14:00 -14:45

- An overview of basic science research project in Genova – *Striano P., Falace A.*

European Paediatric Neurology Society
Email: info@epns.info

14:45 – 17:00

- Main Challenges in Clinical Practice

14:45 – 15:30

1. Variant Classification and Interpretation – *Falace A.*

15:30 – 16:15

2. VUS – Main challenge in clinical practice – *Koniashvili O.*

16:15 – 17:00

3. Sharing Experience about Useful Website and Tools in Clinical Practice– *Gachechiladze T.*

Day 2 (28.04.2025) - Session chair – Nana Tatishvili

Channelopathies in Epilepsy from Genetics to Clinical Decision

11:00- 11:45

Sodium Channelopathies – *Melikishvili G.*

11:45 – 12:30

Other Channelopathies (Ca+/Potassium etc.) - *Striano P. Falace A.*

12:30 – 14:00

- Workshop

LUNCH (14:00 – 15:00)

15:00 – 15:15

- Monogenic epilepsies beyond ion channels – *G.R.*

15:15 – 15:30

- Photosensitivity Epilepsy: From Phenotype to Genotype – *T.T.*

15:30 - 16:00

- Case Studies: Zonisamide in ES, refractory to conventional (steroids/VGB) treatment – *Gachechiladze T.*

16:00 – 18:00

- Workshop

Day 3 (29.04.2025) - Session chairs – Pasquale Striano

11:00-11:30

- Presentations of European and International Initiatives (NETRE, Epi25 etc.)

11:30 -13:00

- Presentation of Our Joint Projects: Ongoing or Completed Projects and Future Perspectives:
 - Acetazolamide responsive monogenic epilepsies, call for future project – *Stiano P., Melikishvili G.*
 - Microbiota and Epilepsy – *Riva A.*

LUNCH (13:00 – 14:00)

14:00 – 16:00

- Workshop

16:00 - 16:30

- Interactive Discussion/Closing

Additional Information:

Host Contact Information:

- **Name:** Gia Melikishvili
- **Position:** Child Neurologist, Epileptologist

European Paediatric Neurology Society
Email: info@epns.info

- **Institution:** Medclub Georgia Medical Center
- **Address:** 22a Tashkenti Str, 0160 Tbilisi, Georgia
- **Phone:** (+995 32) 2251991
- **Email:** melikishviligia@gmail.com
- **ResearchGate Profile:** [Gia Melikishvili on ResearchGate](#)

Warm regards,
Gia Melikishvili
Child Neurologist, Epileptologist
Medclub Georgia Medical Center
melikishviligia@gmail.com
(+995 32) 2251991

European Paediatric Neurology Society
Email: info@epns.info

საქართველოს თანდაყოლილ მეტაბოლურ დარღვევებთან და იშვიათი ეპილევსიების საზოგადოება
Georgian Society for Inborn Errors of Metabolism and Rare Epilepsies