



Genetics in Epilepsy

Sample Curriculum (see links below)

1. Epilepsy Genetics: Transforming Clinical Practice from *2017 Annual Fundamentals Symposium* – 150 minutes
2. Primer Part 1-The building blocks of epilepsy genetics – *Epilepsia article*
3. Primer part 2-Paradigm shifts in epilepsy genetics – *Epilepsia article*

Resource Type	Topic / link
<p><i>2019 Scientific Symposium</i> Pharmacogenomics in Epilepsy: Existing and Emerging Opportunities for Intervention <i>(session recording available by April 30, 2020)</i></p>	<p>Introduction - Alica Goldman</p> <p>Pharmacogenomics in Epilepsy - Simona Balestrini</p> <p>Targeted Drug Treatment for Monogenetic Epilepsies - Edward Cooper</p> <p>Timing of Targeted Therapies: Lessons from Pre-clinical Research - Christopher Reid</p> <p>Challenges to Implementing Pharmacogenomics in an Epilepsy Clinic - Tracy Glauser</p> <p>Implementation of Pharmacogenomics in Clinical Care: Tools, Resources, and Outcomes - Larissa Cavallari</p>
<p><i>2019 Annual Course</i> Controversies in the Management of Difficult Epilepsies <i>(session recording available by April 30, 2020)</i></p>	<p>The Role of Epilepsy Surgery in Genetic Epilepsies – Kees Braun</p>
<p><i>2017 Annual Fundamentals Symposium</i> Epilepsy Genetics: Transforming Clinical Practice</p>	<p>The When, What, and Why of Genetic Testing in Epilepsy – Sameer Zuberi</p> <p>Why You Need Genetic Counseling for Genetic Testing in Epilepsy - Beth Sheidley</p> <p>Developmental and Epileptic Encephalopathies - Ingrid Scheffer</p> <p>Focal Epilepsies: Is it Time for Genetic Testing? - Douglas Crompton</p> <p>Precision Medicine: N of 1 Experience vs. Clinical Trials - Saul Mullen</p>
<p><i>2017 Annual Course</i> Epilepsy Across the Lifespan</p>	<p>Debate: Value of Genetic Testing in Adults with Epilepsy: Pro: Genetic Testing Currently Has Many Clearly Defined Indications in the Diagnostic Work-up of Adults with Epilepsy and Should be Routine Pro: Genetic Testing Currently has Many clearly defined</p> <p>Debate: Value of Genetic Testing in Adults with Epilepsy: Con: Genetic Testing in Adults is Largely Research-oriented and Has Limited Value in Routine clinical practice - Ingo Helbig</p>
<p><i>2017 Epilepsy Therapies Symposium</i></p>	<p>The Use of Genetic Testing in Focal Epilepsies – Piero Perucca</p>

Innovations in Epilepsy Treatment: Are We on the Cusp of a Paradigm Shift?	
<i>2016 Annual Course</i> When All Else Fails: Intractable Epilepsy: Pathophysiology to Treatment	Lecture: Genetic Causes of Severe Refractory Epilepsy – Annapurna Poduri
<i>2015 Epilepsy Specialist Symposium</i> Malformations of Cortical Development and Epilepsy	Pathophysiology and Genetics of Cortical Malformation – Christopher Walsh
<i>Epilepsia Article</i>	Primer Part 1-The building blocks of epilepsy genetics. Helbig I, Heinzen EL, Mefford HC; ILAE Genetics Commission. Epilepsia. 2016 Jun;57(6):861-8. doi: 10.1111/epi.13381. Epub 2016 May 25. PMID: 27226047
<i>Epilepsia Article</i>	Genetic literacy series: Primer part 2-Paradigm shifts in epilepsy genetics. Helbig I, Heinzen EL, Mefford HC; International League Against Epilepsy Genetics Commission. Epilepsia. 2018 Jun;59(6):1138-1147. doi: 10.1111/epi.14193. Epub 2018 May 9. PMID: 2