

35th International Epilepsy Congress 2-6 September 2023 Dublin, Ireland







2-6 September 2023 | Dublin, Ireland

Establishing PROMs in medication management of rare genetic epilepsies:

What are the best medications in 228 SYNGAP1 patients?

Kirsten Eschermann







Conflict of interest disclosure

nothing to disclose

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- SYNGAP Elternhilfe e.V.
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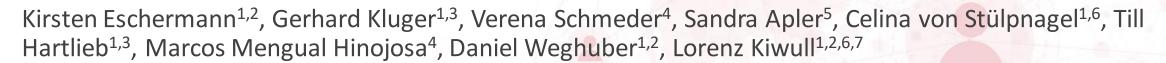






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Team



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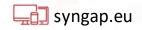
















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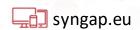
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⁵Leon & Friends e.V., Waidring, Austria

SYNGAP1: main clinical features

- intellectual disability
- autism spectrum disorder
- motor impairment
- epilepsy









PATRE - PATient based phenotyping and evaluation of therapy for Rare Epilepsies



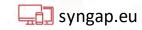
PATRE

PATient based phenotyping and evaluation of therapy for Rare Epilepsies

NETRE*'s patient-focused sister

*Network for Therapy in Rare Epilepsies (NETRE): Lessons From the Past 15 Years
von Stülpnagel C, van Baalen A, Borggraefe I, Eschermann K, Hartlieb T, Kiwull L, Pringsheim M, Wolff M, Kudernatsch M, Wiegand G, Striano P, Kluger G; NETRE Consortium. Front Neurol. 2021 Jan 14;11:622510.





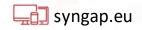




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Patient brainstorming platform

Schlafstörungen bei Syngap Kindern? Diese Arbeit habe ich von den Angelmans. Sie besagt kurz gesagt, dass die Angelman Kids viel weni... mehr Aufgrund eines nicht erholsamen oder zu kurzen Schlafes ist die schlechte Laune samt Wutanfälle f... mehr In Spanien läuft zur Zeit eine Studie zu SYNGAP1 mit Schwerpunkt zum Schlafverhalten bei dieser E... mehr Gibt es einen Zusammenhang zwischen Schlaf und der Jahreszeit? Wir haben den Eindruck, dass in de... 2 edit mehr Es scheint auch uns ein potenziell unterschätztes Thema zu sein. Unsere Tochter wurde in 12j nich... mehr Im Kleinkindalter hatten wir mehrere Jahre, in denen unser Sohn keine Nacht durchschlafen konnte.... mehr Hier wäre es auch mal wichtig zu schauen was man A medikamentös oder B medikamentös über klassisc... mehr Führt schlechter Schlaf zu mehr Agressionen und mehr epileptischen Anfällen? Ich habe diese Arbeit über Schlafstörungen bei SYNGAP gefunden. Die Kinder scheinen einen vermind... mehr Ich habe diese Arbeit zu Syngap und Circadianer Rhythmik gefunden. Der Circadiane Rhythmus (Tag-N... mehr Argument hinzufügen









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Patient brainstorming platform

German SYNGAP1 Community December 2020 - March 2021

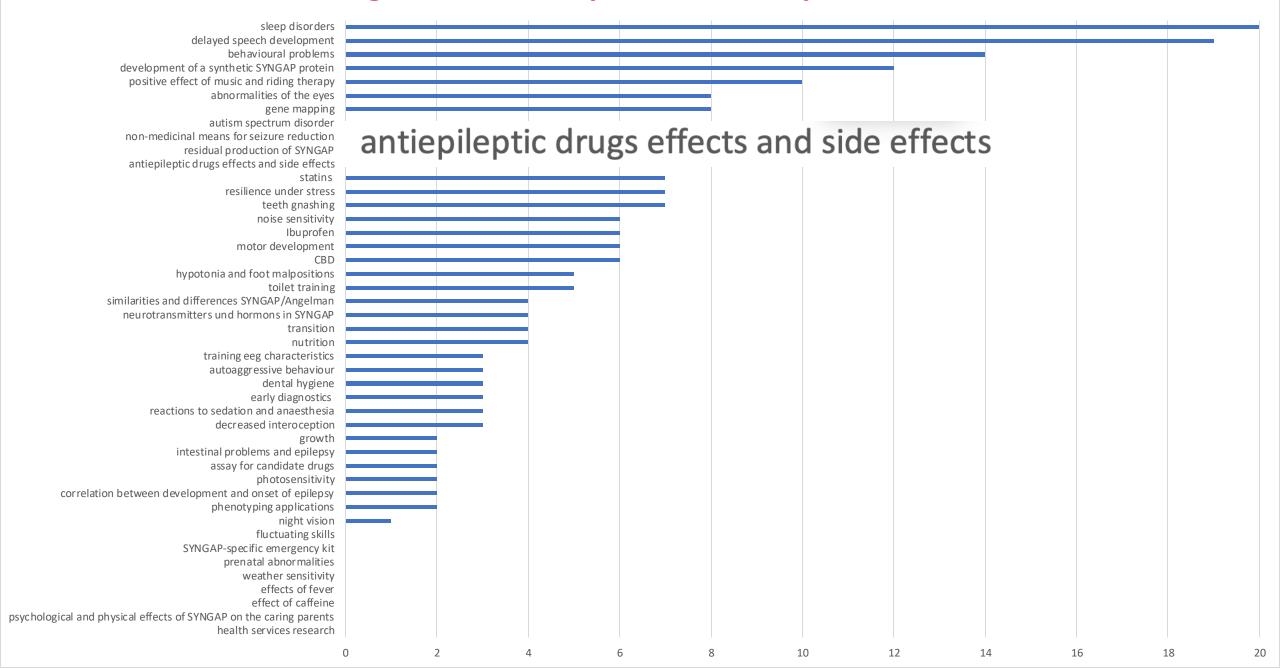
unique visits 619

56 ideas

total votes 246



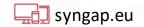
Ranking of SYNGAP1 parents on important issues



Development of a patient-based score for the effect of medications on

- seizures
- sleep
- behavior
- development

Subjective score -50 / +50









Data collection

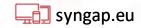




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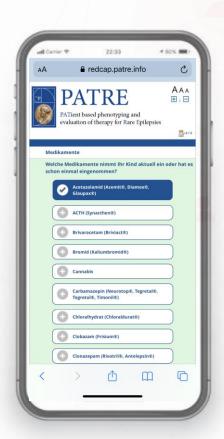






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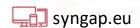


Collection period 05/2021 – 12/2022

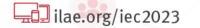


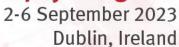










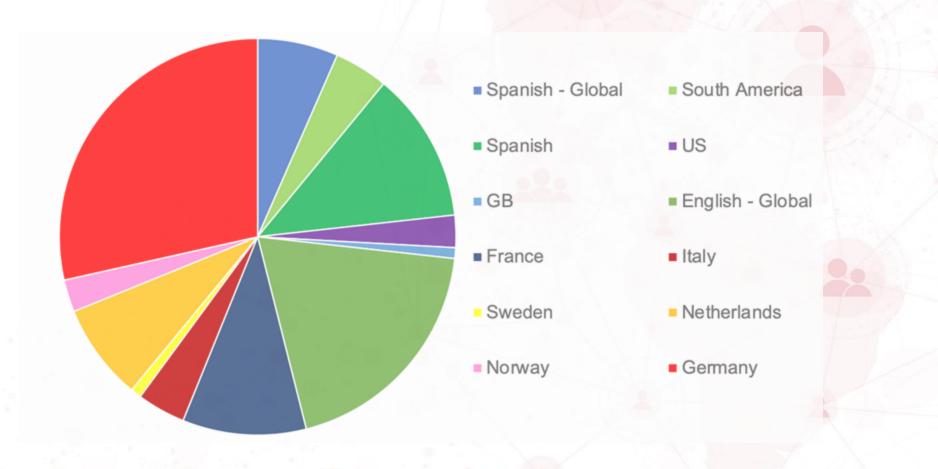




Participants by countries / languages

IEC2023

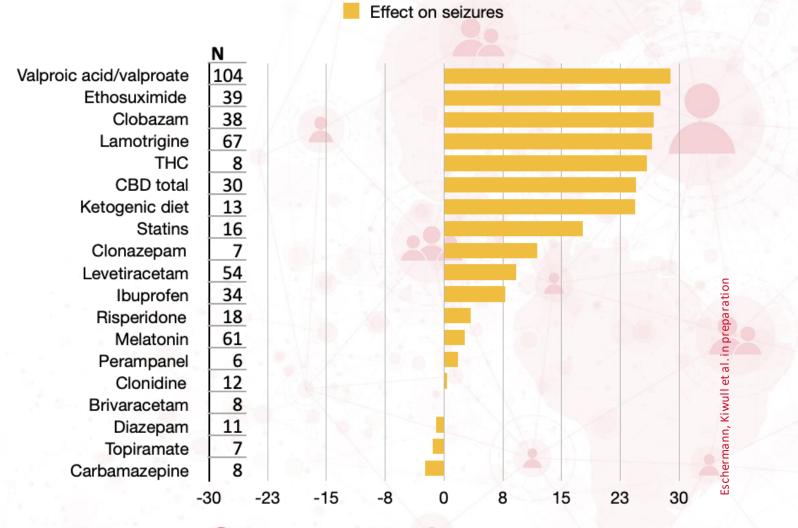
syngap.eu



ilae.org/iec2023



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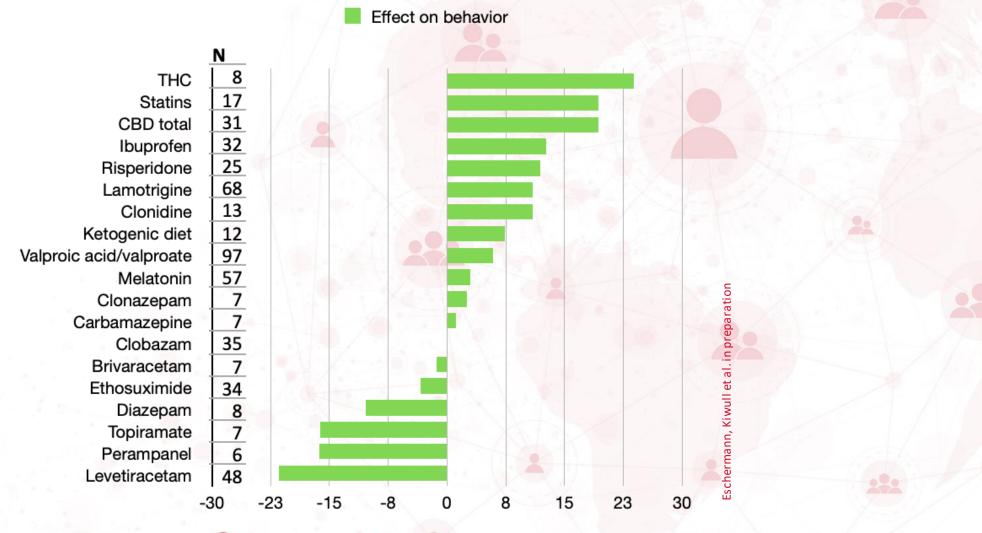


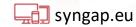






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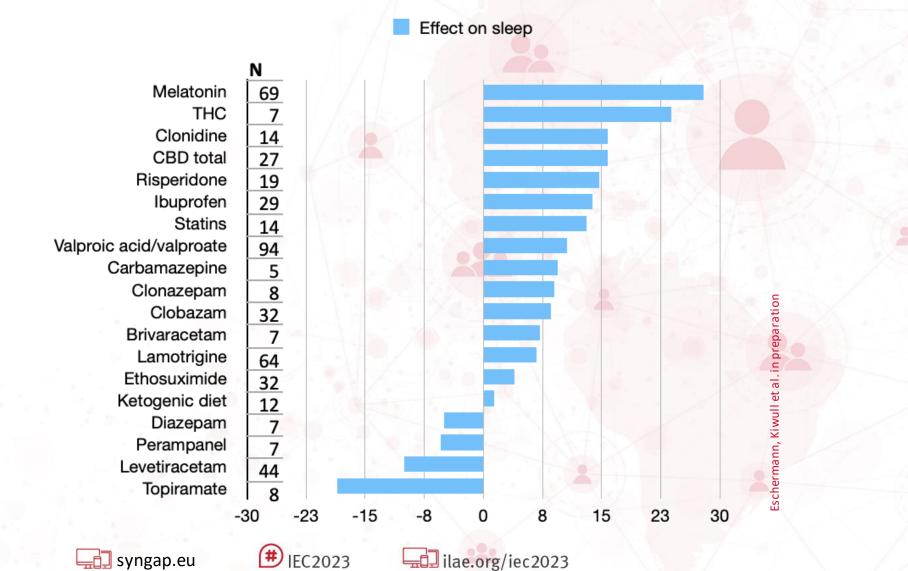






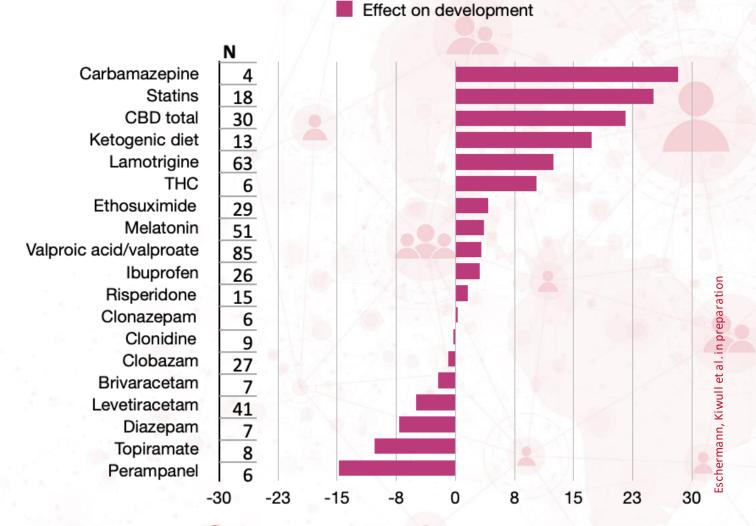


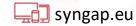
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Conclusion

The genetic diagnosis SYNGAP1 allows a prediction of drug response

Early patient involvement leads to meaningful PROMs

 Sleep, behavior, and development should also be considered when selecting an antiepileptic medication in SYNGAP1





Limitations

- large standard deviation for some drugs
- no information about
 - the exact mutation
 - the clinical phenotype
 - the dosage of the medication, the duration of therapy and the medication combinations

→ detailed analysis with all these aspects is planned







Patient-reported SYNGAP1 Registry



Vítejte!

Těší nás, že máte zájem o Evropský registr pacientů pro SYNGAP1, CFC, Costello a Noonan a o výzkumný projekt EURAS. Abyste nezmeškali zahájení náboru, můžete svůj zájem předběžně zaregistrovat zde.



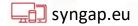




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Disclaime

Funded by the European Union. However, the views and opinions expressed are solely those of the author(s) and do not necessarily reflect those of the European Union or the Health and Digital Executive Agency (HaDEA). Neither the European Union nor the granting agency can be held responsible for them.









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THANK YOU!



