專題演講：癲癇治療-手術與藥物

時　　間：2017 年 12 月 15 日 12:30-14:00

地　　點：花蓮慈濟醫院 協力樓 3 樓 合心會議室

主辦單位：花蓮慈濟醫院神經功能科

康勁企業有限公司

時間	活動內容	講者	座長
12:00-12:30	報到		
12:30-13:30	Managing patients with Refractory Epilepsy – VNS Therapy - A European perspective	Prof. Lieven Lagae	陳新源醫師
13:30-14:00	Discussion		

學分申請中：神經外科醫學會、神經學學會、小兒神經醫學會、癲癇醫學會

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姓名：

服務醫院：

服務單位：☐ 小兒神經科 ☐ 神經內科 ☐ 神經外科 ☐ 其他：_____

聯絡電話：

本次座談會敬備午餐，請勾選是否需要用餐

☐ 用餐　　☐ 不需用餐

講者介紹

Professor Lieven G. Lagae

現任：

Full Professor at the University of Leuven, Belgium (KUL)
Head of the Paediatric Neurology Department of the KUL University Hospitals
Director of the Childhood Epilepsy Program at the KUL University Hospitals
Board Member of the International Child Neurology Association (ICNA)
Board Member of the European Paediatric Neurology Society (EPNS)
Editor-in-Chief of the European Journal of Paediatric Neurology

曾任：

the holder of the 2005 – 2010 UCB Chair for Cognitive Disabilities in Children
the immediate Past-President of the Belgian Paediatric Neurology Society

主要研究項目：

Relationship between childhood epilepsy and cognitive development
Event-Related Potential (ERP) study of prefrontal functions in childhood epilepsy
Wireless and miniaturised EEG systems for the detection of seizures
Simultaneous ERP and fMRI measurement of cognitive functions in children
New anti-epileptic drugs in childhood epilepsy

Articles in internationally reviewed academic journals2016-2017

1. Sourbron J., Klinkenberg S., Kessels A., Schelhaas H., Lagae L., Majoie M. (2017). Vagus Nerve Stimulation in children: A focus on intellectual disability. European Journal of Paediatric Neurology, 21 (3), art.nr. S1090-3798(17)30071-5, 427-440.
2. Fisher R., Cross J., French J., Higurashi N., Hirsch E., Jansen F., Lagae L., Moshé S., Peltola J., Roulet Perez E., Scheffer I., Zuberi S. (2017). Operational classification of seizure types by the International League Against Epilepsy: Position Paper of the ILAE Commission for Classification and Terminology. Epilepsia, 58 (4), art.nr. 10.1111/epi.13670, 522-530.
3. De Cooman T., Varon C., Hunyadi B., Van Paesschen W., Lagae L., Van Huffel S. (2017). Online automated seizure detection in temporal lobe epilepsy patients using single-lead ECG. International Journal of Neural Systems, 27 (7), 1750022-1750022.
4. Schoonjans A., Paelinck B., Marchau F., Gunning B., Gammaitoni A., Galer B., Lagae L., Ceulemans B. (2017). Low-dose fenfluramine significantly reduces seizure frequency in Dravet syndrome: a prospective study of a new cohort of patients. European Journal of Neurology, 24 (2), art.nr. 10.1111/ene.13195, 309-314.
5. Fisher R., Cross J., D'Souza C., French J., Haut S., Higurashi N., Hirsch E., Jansen F., Lagae L., Moshé S., Peltola J., Roulet Perez E., Scheffer I., Schulze-Bonhage A., Somerville E., Sperling M., Yacubian E., Zuberi S. (2017). Instruction manual for the

ILAE 2017 operational classification of seizure types. Epilepsia, 58 (4), art.nr. 10.1111/epi.13671, 531-542.
6. Milosevic M., Van de Vel A., Cuppens K., Bonroy B., Ceulemans B., Lagae L., Vanrumste B., Van Huffel S. (2017). Feature selection methods for accelerometry-based seizure detection in children. Medical and Biological Engineering and Computing (1), 1-15.
7. Verly M., Gerrits R., Lagae L., Sunaert S., Rommel N., Zink I. (2017). Evaluation of the language profile in children with rolandic epilepsy and developmental dysphasia: Evidence for distinct strengths and weaknesses. Brain and Language, 170, 18-28.
8. Jenkinson E., Rodero M., Kasher P., Uggenti C., Oojageer A., Goosey L., Rose Y., Kershaw C., Urquhart J., Williams S., Bhaskar S., O'Sullivan J., Baerlocher G., Haubitz M., Aubert G., Barañano K., Barnicoat A., Battini R., Berger A., Blair E., Brunstrom-Hernandez J., Buckard J., Cassiman D., Caumes R., Cordelli D., De Waele L., Fay A., Ferreira P., Fletcher N., Fryer A., Goel H., Hemingway C., Henneke M., Hughes I., Jefferson R., Kumar R., Lagae L., Landrieu P., Lourenço C., Malpas T., Mehta S., Metz I., Naidu S., Õunap K., Panzer A., Prabhakar P., Quaghebeur G., Schiffmann R., Sherr E., Sinnathuray K., Soh C., Stewart H., Stone J., Van Esch H., Van Mol C., Vanderver A., Wakeling E., Whitney A., Pavitt G., Griffiths-Jones S., Rice G., Revy P., van der Knaap M., Livingston J., O'Keefe R., Crow Y. (2017). Corrigendum: Mutations in SNORD118 cause the cerebral microangiopathy leukoencephalopathy with calcifications and cysts. Nature Genetics, 49 (2), art.nr. 10.1038/ng0217-317b, 317.
9. Sourbron J., de Witte P., Lagae L. (2016). Serotonergic Modulation as Effective Treatment for Dravet Syndrome in a Zebrafish Mutant Model. ACS Chemical Neuroscience, art.nr. 5b00342.
10. Amant F., Vandenbroucke T., Verheecke M., Fumagalli M., Halaska M., Boere I., Han S., Gziri M., Peccatori F., Rob L., Lok C., Witteveen P., Voigt J., Naulaers G., Vallaeys L., Van den Heuvel F., Lagae L., Mertens L., Claes L., Van Calsteren K. (2016). Pediatric Outcome After Maternal Cancer Diagnosed During Pregnancy. Obstetrical & Gynecological Survey, 71 (3), 144-146.
11. Jenkinson E., Rodero M., Kasher P., Uggenti C., Oojageer A., Goosey L., Rose Y., Kershaw C., Urquhart J., Williams S., Bhaskar S., O'Sullivan J., Baerlocher G., Haubitz M., Aubert G., Barañano K., Barnicoat A., Battini R., Berger A., Blair E., Brunstrom-Hernandez J., Buckard J., Cassiman D., Caumes R., Cordelli D., De Waele LMH L., Fay A., Ferreira P., Fletcher N., Fryer A., Goel H., Hemingway C., Henneke M., Hughes I., Jefferson R., Kumar R., Lagae L., Landrieu P., Lourenço C., Malpas T., Mehta S., Metz I., Naidu S., Õunap K., Panzer A., Prabhakar P., Quaghebeur G., Schiffmann R., Sherr E., Sinnathuray K., Soh C., Stewart H., Stone J., Van Esch H., Van Mol C., Vanderver A., Wakeling E., Whitney A., Pavitt G., Griffiths-Jones S., Rice G., Revy P., van der Knaap M., Livingston J., O'Keefe R., Crow Y. (2016). Mutations in SNORD118 cause the cerebral microangiopathy leukoencephalopathy with

calcifications and cysts. Nature Genetics, 48 (10), art.nr. 10.1038/ng.3661.
12. Van de Vel A., Milosevic M., Bonroy B., Cuppens K., Lagae L., Vanrumste B., Van Huffel S., Ceulemans B. (2016). Long-term accelerometry-triggered video monitoring and detection of tonic-clonic and clonic seizures in a home environment : pilot study. Epilepsy & Behavior Case Reports, 5, 66-71.
13. Siekierska A., Isrie M., Liu Y., Scheldeman C., Vanthillo N., Lagae L., de Witte P., Van Esch H., Goldfarb M., Buyse G. (2016). Gain-of-function FHF1 mutation causes early-onset epileptic encephalopathy with cerebellar atrophy. Neurology, 86 (23), art.nr. 10.1212/WNL.0000000000002752.
14. Curatolo P., Aronica E., Jansen A., Jansen F., Kotulska K., Lagae L., Moavero R., Jozwiak S. (2016). Early onset epileptic encephalopathy or genetically determined encephalopathy with early onset epilepsy? Lessons learned from TSC. European Journal of Paediatric Neurology, 20 (2), art.nr. S1090-3798(15)00216-0, 203-11.
15. Milosevic M., Van de Vel A., Bonroy B., Ceulemans B., Lagae L., Vanrumste B., Van Huffel S. (2016). Automated Detection of Tonic-Clonic Seizures using 3D Accelerometry and Surface Electromyography in Pediatric Patients. IEEE journal of biomedical and health informatics, 20 (5), 1333-1341.

本次演講摘要：

1. Event-related potential (ERP) study of frontal functions
2. Translational research in Zebrafish models of epilepsy
3. New anti-epileptic drugs in childhood epilepsy
4. Brain stimulation in childhood epilepsy
5. Vagus Nerve Stimulation in epilepsy
6. Preventive treatment of epilepsy in tuberous sclerosis complex