

Jes Olesen
Professor, MD, DMSc
Afdeling for Hjerne- og Nervesygdomme
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Primære forskningsområder

My main research area is within headache research. More specifically, I work intensely on the development of rodent models of migraine and later i will work on a model of tension type headache. I also lead a group in human genetics, examining large groups of patients with GWAS and presently studying extended families with apparent dominant inheritance of migraine with typical aura or migraine without aura. I am also interested in stem cells that have been derived from fibroblasts from migraine patients and further differentiated cells. Finally. I collaborate with a Russian center about epidemiological studies focusing on different social groups and on headache attributed to cerebrovascular disease. Classification of headache disorders is a main interest and i conducted a number of field testing studies of The International Headache Classification of which I have been the chairperson.

Current position

Professor of Neurology
Director of Center for Experimental Headache Research
Danish Headache Center and Department of Neurology, Rigshospitalet – Glostrup
Valdemar Hansens Vej 5, 1 A, 2600 Glostrup, Denmark
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Titles

Doctor of Medical Sciences (D.Med.Sci), University of Copenhagen, 1974.
Professor of Neurology, University of Copenhagen, 1985-
Fellow of the Royal College of Physicians (FRCP), London, 1998.
Doctor Honoris Causa (D.Hon.C.), University of Rome, La Sapienza, 2001.
Doctor Honoris causa (Yekaterinburg, Russia), 2016.

Medical career

MD, Faculty of Medicine, University of Copenhagen 1967.
Residency, Departments of Neurology, Bispebjerg Hospital and Rigshospitalet, Copenhagen 1969-1973.
Clerkship and course in Neurology at the National Hospital, Queens Square, London 1971.
2nd year residency in Neurology, Department of Neurology, The New York Hospital, Cornell Medical Center, New York 1972-1973.
Senior registrar in Neurology 1974-1976.
Consultant neurologist, Department of Neurology, Hillerød Hospital 1977.
Consultant neurologist, Department of Neurology, Gentofte University Hospital, Copenhagen 1978-1993.
Chairman of Neurology, Department of Neurology, Glostrup University Hospital, Copenhagen 1993-2000.
Founding chairman Danish Headache Center, Department of Neurology, Glostrup University Hospital, 2001-
Current position: Professor of neurology and consulting neurologist, Danish headache Center, Department of Neurology, Rigshospitalet Glostrup, University of Copenhagen, Denmark.

Academic career

Doctor of Medical Sciences (D.Med.Sci), University of Copenhagen, 1974.
Associate Professor of Neurology, University of Copenhagen, 1975-1985.
Professor of Neurology, University of Copenhagen 1985-
Visiting Professor, Harvard University 1999-2000.
Director Lundbeck Foundation Center for Neurovascular signaling (LUCENS), Glostrup University Hospital, 2006-
Visiting professor, UCLA, Los Angeles 2009-2010.
Director Center for Experimental Headache Research, Danish Headache Center, Department of Neurology, Rigshospitalet Glostrup, University of Copenhagen, Denmark.

Teaching

Pre-graduate teaching at the University of Copenhagen since 1975.
Distinguished teacher award, Faculty of Medicine, University of Copenhagen 1983.
Extensive post-graduate teaching in Denmark and abroad.
Editor and author of many books (see: Research).

Professional organizations and other honorary positions

President of Danish Migraine Society 1980-1987.
President Scandinavian Migraine Society 1983-1985.
President International Headache Society 1993-1994.
Chairman of the 1st International Headache Classification Committee 1985-1988.
Chairman of the 2nd International Headache Classification Committee 1999-2003.
Chairman of the 3rd International Headache Classification Committee 2009-
Chairman Danish Stroke Association (Patient Association) 1987-1992.
Council member International Association for the Study of Pain (IASP) 1990-1996.
Chairman of the Publication Committee of IASP 1990-1994.
Chairman the Scientific Committee, European Federation of Neurological Societies (EFNS) 1992-1995.
Vice-President EFNS 1990-1995.
President EFNS 1996-2001.
Past President EFNS 2002-2006.
Member European Dana Alliance for the Brain (EDAB) 1996-
Chairman Liaisons and EU Affairs Committee EFNS 2001-2010.
President of the European Brain Council (EBC) 2004-2008.
Past President EBC 2008-2010.

Founding activities

Co-Founder of the scientific journal Cephalalgia 1980.
Co-Founder of Danish Stroke Association (patient organization) 1987.
Co-Founder of European Federation of Neurological Societies 1991.
Founder of the scientific journal European Journal of Neurology 1995.
Co-Founder European Federation of Neurological Associations (EFNA) (Federation of European Patient Associations).
Founder of Danish Headache Center 2001.
Founder of European Brain Council (EBC) (Federation of federations of European organizations with an interest in the brain) 2002.

Honorary and corresponding memberships

Australian Headache Society 1985.
American Neurological Association 1986-
German Headache Society 1987.
Austrian Neurological Society 1992.
French Neurological Society (Société Française de Neurologie) 1999.
Association of British Neurologists 2001.
German Neurological Society 2008.
Polish Neurological Society 2009.
European Federations of Neurological Associations (EFNA) 2009.
European Federation of Neurological Societies 2011.
European Academy of Neurology (2014).

Awards and honorary doctorates

Harold G. Wolff Award, American Headache Society 1982.
Arnold P Friedman Award, American Headache Society 1990.
Monrad Krohn Prize, University of Oslo 1995.
Silver Medal, University of Marseilles 1995.
John J. Bonica Award, American Pain Society 1996.
Gold Medal, University of Bratislava 1997.
Honorary doctorate, University of Rome 2001.
Kleins Legat, The Medical Society of Copenhagen 2002.
Mångbergs Pris, University of Umeå, Sweden 2002.
Federigo Sicuteri prize, Italy 2003.
The IHS-Cephalalgia lecture Award 2003.
The Mogens Fog prize 2004.
The Niels A Lassen prize 2004.
Best paper award, International Headache Society award 2005.
Ottorino Rossi Award, Pavia, 2007.

The Keeler Hammer award. Headache cooperative of the Pacific, 2010.
Lifetime achievement award Headache Cooperative of New England, 2010.
The Great Nordic Research Prize of the Lundbeck Foundation, 2010.
Lifetime achievement award. International Headache Society, 2017.
The Brain Prize, the Lundbeck Foundation, 2021.
EAN Honorary member, 2023.

Industrial relations, patents and business

Ad hoc consultant for many multinational drug companies.
Scientific advisory board: GlaxoSmithKline, Pfizer, Boehringer Ingelheim, Bristol Meyers Squibb, Eisai, NeurAxon, Minster Pharmaceuticals, Merck (MSD), Alder Pharmaceuticals.
Principal investigator in many multinational drug trials.
Board member Lundbeck International Neuroscience Foundation 2003-2009.
Evaluation committee, The Great Lundbeck Foundation European Brain Research Prize.
Several patents of therapeutic methodologies for migraine and tension-type headache.
Board member and part owner of HeadExplorer, Inc. 2001-2014.

Scientific journals

Associate Editor Cephalalgia 1980-1986 and 1999-2002.
Associate Editor Pain 1979-1990.
Membership of Editorial Boards: Clinical Neurology and NeuroSurgery 1978-1985.
Functional Neurology 1985-2002, Journal of Cerebral Blood Flow in Metabolism 1989-1992, Acta Neurologica Scandinavica 1990-1997, European Neurology 1992-2002, Current Opinion in Neurology 1991-1998, Italian Journal of Neurology 1990-2002, European Journal of Neurology 1995-2001. Referee for a large number of scientific journals including NEJM, Lancet, Brain and Nature.

Scientific articles and books

Has published 700 papers in scientific journals with peer-review, 235 papers or book chapters without peer-review. Has authored or edited 35 scientific books. The book entitled "The Headaches" is an encyclopedic volume covering all aspects of the headaches from basic molecular mechanisms to treatment and prevention. Both the first (1993), the second (2000) and third (2005) editions have been generally accepted as the ultimate source of reference within the headache field.

Dissertations

Jes Olesen has initiated and supervised 18 doctoral theses and 45 Ph.D. theses all conferred by the University of Copenhagen. He presently supervises 4 Ph.D. students and 2 post-doctoral researchers.

Research statistics

ORCID number: 0000-0002-6712-2702
Citations: Google Scholar 108.087.
H-Factor: Google Scholar 147.
i/10-index: Google Scholar 712.
Invited speaker at several international meetings each year.

Publikationer

Field-testing the explicit diagnostic criteria for transient ischemic attack: a diagnostic accuracy study

Scutelnic, A., auf der Maur, S. M., Branca, M., Beyeler, M., Horvath, T., Bücke, P., Meinel, T., Lebedeva, E. R., Olesen, J., Riederer, F., Dobrocky, T., Gralla, J., Arnold, M., Fischer, U., Mattle, H. P., Jung, S. & Schankin, C. J., jan. 2025, I: Journal of Neurology. 272, 1, 79.

No association between migraine and HLA alleles in a cohort of 13,210 individuals with migraine from the Danish Blood Donor Study

Tummoszeit, I. Z., Olofsson, I. A., Chalmer, M. A., Henriksen, A. P., Aagaard, B., Brunak, S., Bruun, M. T., Didriksen, M., Erikstrup, C., Hjalgrim, H., Mikkelsen, C., Mikkelsen, S., Ostrowski, S. R., Pedersen, O. B. V., Quinn, L., Sørensen, E., Ullum, H., Olesen, J., Banasik, K. & Hansen, T. F. & 2 flere, Kogelman, L. J. A. & DBDS Genomic consortium group, 2025, I: Headache. 65, 1, s. 124-131 8 s.

Cerebral blood flow and arterial responses in migraine: history and future perspectives

Olesen, J., 19 dec. 2024, I: The Journal of Headache and Pain Online. 25, 1, 222.

HMG-CoA reductase is a potential therapeutic target for migraine: a mendelian randomization study

Qu, K., Li, M. X., Yu, P., Wu, B. H., Shi, M., Dong, M., Olesen, J. (Medlem af forfattergruppering), Kogelman, L. J. A. (Medlem af forfattergruppering), Chalmer, M. A. (Medlem af forfattergruppering) & Hansen, T. F. (Medlem af forfattergruppering), dec. 2024, I: Scientific Reports. 14, 1, 12094.

Methodology of drug trials in migraine: History and suggestions for the future

Olesen, J. & Tfelt-Hansen, P., dec. 2024, I: Cephalalgia : an international journal of headache. 44, 12, s. 3331024241298642

Static autoregulation in humans

Paulson, O. B., Strandgaard, S., Olesen, J. & Baron, J.-C., dec. 2024, I: Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism. 44, 12, s. 1605-1607 3 s.

Mechanisms of GTN-induced migraine: Role of NOS isoforms, sGC and peroxynitrite in a migraine relevant mouse model

Ernstsen, C., Obelitz-Ryom, K., Kristensen, D. M. B., Olesen, J., Christensen, S. L. & Guo, S., sep. 2024, I: Cephalalgia : an international journal of headache. 44, 9, s. 3331024241277542

VPAC1 and VPAC2 receptors mediate tactile hindpaw hypersensitivity and carotid artery dilatation induced by PACAP38 in a migraine relevant mouse model

Guo, S., Rasmussen, R. H., Hay-Schmidt, A., Ashina, M., Asuni, A. A., Jensen, J. M., Holm, A., Lauritzen, S. P., Dorsam, G., Hannibal, J., Georg, B., Kristensen, D. M., Olesen, J. & Christensen, S. L., 31 jul. 2024, I: The Journal of Headache and Pain Online. 25, 1, 126.

Provocation of attacks to discover migraine signaling mechanisms and new drug targets: early history and future perspectives - a narrative review

Olesen, J., 20 jun. 2024, I: The Journal of Headache and Pain Online. 25, 1, s. 105 12 s., 105.

Genome-wide association study reveals a locus in ADARB2 for complete freedom from headache in Danish Blood Donors

Olofsson, I. A., Kristjansson, R. P., Callesen, I., Davidsson, O., Winsvold, B., Hjalgrim, H., Ostrowski, S. R., Erikstrup, C., Bruun, M. T., Pedersen, O. B., Burgdorf, K. S., Banasik, K., Sørensen, E., Mikkelsen, C., Didriksen, M., Dinh, K. M., Mikkelsen, S., Brunak, S., Ullum, H. & Chalmer, M. A. & 4 flere, Olesen, J., Kogelman, L. J. A., Hansen, T. F. & International Headache Genetic Consortium, 27 maj 2024, I: Communications biology. 7, 1, 646.

The World Health Organization Intersectoral Global Action Plan on Epilepsy and Other Neurological Disorders and the headache revolution: from headache burden to a global action plan for headache disorders

Leonardi, M., Martelletti, P., Burstein, R., Fornari, A., Grazi, L., Guekht, A., Lipton, R. B., Mitsikostas, D. D., Olesen, J., Owolabi, M. O., Ruiz De la Torre, E., Sacco, S., Steiner, T. J., Surya, N., Takeshima, T., Tassorelli, C., Wang, S.-J., Wijeratne, T., Yu, S. & Raggi, A., 4 jan. 2024, I: The Journal of Headache and Pain Online. 25, 1, 4.

The International Classification of Headache Disorders: History and future perspectives

Olesen, J., jan. 2024, I: Cephalalgia : an international journal of headache. 44, 1, s. 3331024231214731

European Federation of Neurological Societies: parent to the European Academy of Neurology

Olesen, J., 2024, I: European Journal of Neurology. 31, 11, e15680.

From fragmentation to collaboration in European brain research: The early history of the European Brain Council (EBC), an organization that changed our perspective of advocacy

Olesen, J., 2024, I: European Journal of Neurology. 31, 11, e16130.

Molecular nociceptive mechanisms in migraine: The migraine cascade

Guo, S., Christensen, S. L., Al-Karagholi, M.A.-M. & Olesen, J., 2024, I: European Journal of Neurology. 31, 8, e16333.

DanMAC5: a browser of aggregated sequence variants from 8,671 whole genome sequenced Danish individuals

Banasik, K., Møller, P. L., Techlo, T. R., Holm, P. C., Walters, G. B., Ingason, A., Rosengren, A., Rohde, P. D., Kogelman, L. J. A., Westergaard, D., Siggaard, T., Chmura, P. J., Chalmer, M. A., Magnússon, Ó. Þ., Þórisson, G. Á.,

Stefánsson, H., Guðbjartsson, D. F., Stefánsson, K., Olesen, J. & Winther, S. & 5 flere, Böttcher, M., Brunak, S., Werge, T., Nyegaard, M. & Hansen, T. F., dec. 2023, I: BMC genomic data. 24, 1, 30.

Multi-omic analyses of triptan-treated migraine attacks gives insight into molecular mechanisms

Kogelman, L. J. A., Falkenberg, K., Ottosson, F., Ernst, M., Russo, F., Stentoft-Hansen, V., Demharter, S., Tfelt-Hansen, P., Cohen, A. S., Olesen, J. & Hansen, T. F., dec. 2023, I: Scientific Reports. 13, 1, 12395.

Proposed general diagnostic criteria for secondary headaches

Lebedeva, E. R. & Olesen, J., dec. 2023, I: Cephalalgia : an international journal of headache. 43, 12, 3331024231213278.

Evaluation of the ICHD-3 diagnostic criteria for cardiac cephalalgia and new proposal

Navarro-Pérez, M. P., Santos-Lasaosa, S. & Olesen, J., nov. 2023, I: Cephalalgia : an international journal of headache. 43, 11, s. 1-6 6 s.

Rare variants with large effects provide functional insights into the pathology of migraine subtypes, with and without aura

Bjornsdottir, G., Chalmer, M. A., Stefansdottir, L., Skuladottir, A. T., Einarsson, G., Andresdottir, M., Beyter, D., Ferkingstad, E., Gretarsdottir, S., Halldorsson, B. V., Halldorsson, G. H., Helgadottir, A., Helgason, H., Hjorleifsson Eldjarn, G., Jonasdottir, A., Jonasdottir, A., Jonsdottir, I., Knowlton, K. U., Nadauld, L. D. & Lund, S. H. & 32 flere, Magnusson, O. T., Melsted, P., Moore, K. H. S., Oddsson, A., Olason, P. I., Sigurdsson, A., Stefansson, O. A., Saemundsdottir, J., Sveinbjornsson, G., Tragante, V., Unnsteinsdottir, U., Walters, G. B., Zink, F., Rødevand, L., Andreassen, O. A., Igland, J., Lie, R. T., Haavik, J., Banasik, K., Brunak, S., Didriksen, M., T Bruun, M., Erikstrup, C., Kogelman, L. J. A., Sørensen, E., Pedersen, O. B., Ullum, H., Olesen, J., Ostrowski, S. R., Hansen, T. F., DBDS Genetic Consortium & Stefansson, K., nov. 2023, I: Nature Genetics. 55, 11, s. 1843-1853 11 s.

Xenobiotic Exposure and Migraine-Associated Signaling: A Multimethod Experimental Study Exploring Cellular Assays in Combination with Ex Vivo and In Vivo Mouse Models

Rasmussen, R. H., Christensen, S. L., Calloe, K., Nielsen, B. S., Rehfeld, A., Taylor-Clark, T. E., Haanes, K. A., Taboureau, O., Audouze, K., Klaerke, D. A., Olesen, J. & Kristensen, D. M., nov. 2023, I: Environmental Health Perspectives. 131, 11, 117003.

Rethinking headache as a global public health case model for reaching the SDG 3 HEALTH by 2030

Martelletti, P., Leonardi, M., Ashina, M., Burstein, R., Cho, S.-J., Charway-Felli, A., Dodick, D. W., Gil-Gouveia, R., Grazzi, L., Lampl, C., MaassenVanDenBrink, A., Minen, M. T., Mitsikostas, D. D., Olesen, J., Owolabi, M. O., Reuter, U., Ruiz de la Torre, E., Sacco, S., Schwedt, T. J. & Serafini, G. & 6 flere, Surya, N., Tassorelli, C., Wang, S.-J., Wang, Y., Wijeratne, T. & Raggi, A., 27 okt. 2023, I: Journal of Headache and Pain. 24, 1, 140.

Cluster headache genome-wide association study and meta-analysis identifies eight loci and implicates smoking as causal risk factor

Winsvold, B. S., Harder, A. V. E., Ran, C., Chalmer, M. A., Dalmasso, M. C., Ferkingstad, E., Tripathi, K. P., Bacchelli, E., Børte, S., Fourier, C., Petersen, A. S., Vijfhuizen, L. S., Magnusson, S. H., O'Connor, E., Bjornsdottir, G., Häppölä, P., Wang, Y.-F., Callesen, I., Kelderman, T. & Gallardo, V. J. & 37 flere, de Boer, I., Jennysdotter Olofsgård, F., Heinze, K., Lund, N., Thomas, L. F., Hsu, C.-L., Pirinen, M., Hautakangas, H., Ribasés, M., Guerzoni, S., Sivakumar, P., Yip, J., Heinze, A., Küçükali, F., Ostrowski, S. R., Pedersen, O. B., Kristoffersen, E. S., Martinsen, A. E., Artigas, M. S., Lagrata, S., Cainazzo, M. M., Adebimpe, J., Quinn, O., Göbel, C., Cirkel, A., Volk, A. E., Heilmann-Heimbach, S., Wagner, M., Jensen, R. H., Hansen, T. F., HUNT All-In Headache, The International Headache Genetics Consortium, DBDS Genomic Consortium, Jennum, P. J. (Medlem af forfattergruppering), Olesen, J. (Medlem af forfattergruppering), Kogelman, L. (Medlem af forfattergruppering), Burgdorf, K. S. (Medlem af forfattergruppering), Cluster Headache Genetics Working Group & Zwart, J. A., okt. 2023, I: Annals of Neurology. 94, 4, s. 713-726 14 s.

Migraine, chronic kidney disease and kidney function: observational and genetic analyses

Zhang, W., Zhang, L., Yang, L., Xiao, C., Wu, X., Yan, P., Cui, H., Yang, C., Zhu, J., Wu, X., Tang, M., Wang, Y., Chen, L., Liu, Y., Zou, Y., Zhang, L., Yang, C., Yao, Y., Li, J. & Liu, Z. & 7 flere, Zhang, B., Jiang, X., International Headache Genetics Consortium, Chalmer, M. A. (Medlem af forfattergruppering), Hansen, T. F. (Medlem af forfattergruppering), Kogelman, L. (Medlem af forfattergruppering) & Olesen, J. (Medlem af forfattergruppering), aug. 2023, I: Human Genetics. 142, 8, s. 1185-1200 16 s.

Diagnosis of Migrainous Infarction: A Case Report and Analysis of Previously Published Cases

Lebedeva, E. R., Gurary, N. M. & Olesen, J., 27 jul. 2023, I: *Diagnostics*. 13, 15, 2502.

A causal effects of gut microbiota in the development of migraine

He, Q., Wang, W., Xiong, Y., Tao, C., Ma, L., Ma, J., You, C., International Headache Genetics Consortium, Chalmer, M. A. (Medlem af forfattergruppering), Hansen, T. F. (Medlem af forfattergruppering), Kogelman, L. (Medlem af forfattergruppering) & Olesen, J. (Medlem af forfattergruppering), 17 jul. 2023, I: *Journal of Headache and Pain*. 24, 1, 90.

Correction: PACAP signaling is not involved in GTN- and levromakalim-induced hypersensitivity in mouse models of migraine

Guo, S., Ernstsén, C., Hay-Schmidt, A., Kristensen, D. M., Ashina, M., Olesen, J. & Christensen, S. L., 19 jun. 2023

Sex differences in clinical characteristics of migraine and its burden: A population-based study

Chalmer, M. A., Kogelman, L. J. A., Callesen, I., Christensen, C. G., Techlo, T. R., Møller, P. L., Davidsson, O. B., Olofsson, I. A., Schwinn, M., Mikkelsen, S., Dinh, K. M., Nielsen, K., Topholm, M., Erikstrup, C., Ostrowski, S. R., Pedersen, O. B., Hjalgrim, H., Banasik, K., Burgdorf, K. S. & Nyegaard, M. & 3 flere, Olesen, J., Hansen, T. F. & DBDS Genomic Consortium, jun. 2023, I: *European Journal of Neurology*. 30, 6, s. 1774-1784 11 s.

Population-Based Characterization of Menstrual Migraine and Proposed Diagnostic Criteria

Chalmer, M. A., Kogelman, L. J. A., Ullum, H., Sørensen, E., Didriksen, M., Mikkelsen, S., Dinh, K. M., Brodersen, T., Nielsen, K. R., Bruun, M. T., Banasik, K., Brunak, S., Erikstrup, C., Pedersen, O. B., Ostrowski, S. R., Olesen, J. & Hansen, T. F., 1 maj 2023, I: *JAMA network open*. 6, 5, s. e2313235 e2313235.

Migraine, inflammatory bowel disease and celiac disease: A Mendelian randomization study

Welander, N. Z., Rukh, G., Rask-Andersen, M., Harder, A. V. E., van den Maagdenberg, A. M. J. M., Schiöth, H. B., Mwinyi, J., International Headache Genetics Consortium, Ingason, A. (Medlem af forfattergruppering), Esserlind, A.-L. (Medlem af forfattergruppering), Christensen, A. F. (Medlem af forfattergruppering), Hansen, T. F. (Medlem af forfattergruppering), Werge, T. M. (Medlem af forfattergruppering) & Olesen, J. (Medlem af forfattergruppering), maj 2023, I: *Headache*. 63, 5, s. 642-651 10 s.

Prevalence, clinical characteristics and associated factors of cardiac cephalgia: A prospective study

Navarro-Pérez, M. P., Espinosa-Rueda, J., Ballesta-Martínez, S., Revilla-Martí, P., Olesen, J., Bellósta-Diago, E. & Santos-Lasaosa, S., apr. 2023, I: *Cephalalgia : an international journal of headache*. 43, 4, s. 3331024231160743

The Global Campaign Against Headache and its future relation to IHS and WHO

Olesen, J. & Jensen, R. H., apr. 2023, I: *Cephalalgia : an international journal of headache*. 43, 4, s. 3331024231159625

Genetic Risk Score for Intracranial Aneurysms: Prediction of Subarachnoid Hemorrhage and Role in Clinical Heterogeneity

Bakker, M. K., Kanning, J. P., Abraham, G., Martinsen, A. E., Winsvold, B. S., Zwart, J.-A., Bourcier, R., Sawada, T., Koido, M., Kamatani, Y., Morel, S., Amouyel, P., Debette, S., Bijlenga, P., Berrandou, T., Ganesh, S. K., Bouatia-Naji, N., Jones, G., Bown, M. & Rinkel, G. J. E. & 4 flere, Veldink, J. H., Ruigrok, Y. M., HUNT All-In Stroke, CADISP group, International Consortium for Blood Pressure, International Headache Genetics Consortium, International Stroke Genetics Consortium (ISGC) Intracranial Aneurysm Working Group & Olesen, J. (Medlem af forfattergruppering), mar. 2023, I: *Stroke*. 54, 3, s. 810-818 9 s.

Causal relationships between migraine and microstructural white matter: a Mendelian randomization study

Zhao, L., Zhao, W., Cao, J., Tu, Y., International Headache Genetics Consortium (IHGC), Chalmer, M. A. (Medlem af forfattergruppering), Hansen, T. F. (Medlem af forfattergruppering) & Olesen, J. (Medlem af forfattergruppering), 16 feb. 2023, I: *Journal of Headache and Pain*. 24, 1, 10.

Pharmacological Profiling of KATP Channel Modulators: An Outlook for New Treatment Opportunities for Migraine

Dyhring, T., Jansen-Olesen, I., Christophersen, P. & Olesen, J., 1 feb. 2023, I: *Pharmaceuticals (Basel, Switzerland)*. 16, 2, 225.

ATP-sensitive potassium channel opener levromakalim induces hypersensitivity in mice via endothelial nitric oxide synthase and peroxynitrite generation

Hansen, R. H., Ernstsén, C., Holm, A., Prehn Lauritzen, S., Obelitz-Ryom, K., Kristensen, D. M., Jansen-Olesen, I., Olesen, J. & Christensen, S. L. T., 2023, s. 20. 1 s.

Classification of migraine and tension-type headache

Olesen, J., 2023, I: Cephalalgia : an international journal of headache. 43, 4, s. 1-2 2 s.

Development of an in vivo mouse model to study migraine related effects of the large conductance calcium-activated potassium channel

Obelitz-Ryom, K., Olesen, J. & Christensen, S. L. T., 2023, s. 22-23. 2 s.

The ATP sensitive potassium channel (KATP) is a novel target for migraine drug development

Clement, A., Christensen, S. L., Jansen-Olesen, I., Olesen, J. & Guo, S., 2023, I: Frontiers in Molecular Neuroscience. 16, 1182515.

Cardiac cephalalgia: a narrative review and ICHD-3 criteria evaluation

Navarro-Pérez, M. P., Bellosta-Diago, E., Olesen, J. & Santos-Lasaosa, S., dec. 2022, I: Journal of Headache and Pain. 23, 1, 136.

Personal view: Modelling pain mechanisms of migraine without aura

Olesen, J., nov. 2022, I: Cephalalgia : an international journal of headache. 42, 13, s. 1425-1435 11 s.

Population-based prevalence of cranial autonomic symptoms in migraine and proposed diagnostic appendix criteria

Christensen, C. G., Techlo, T. R., Kogelman, L. J., Wegner Thørner, L., Nissen, J., Sørensen, E., Olesen, J., Hansen, T. F., Chalmer, M. A. & DBDS Genomic Consortium, okt. 2022, I: Cephalalgia : an international journal of headache. 42, 11-12, s. 1160-1171 12 s.

Elucidating the relationship between migraine risk and brain structure using genetic data

Mitchell, B. L., Diaz-Torres, S., Bivol, S., Cuellar-Partida, G., Gerring, Z. F., Martin, N. G., Medland, S. E., Grasby, K. L., Nyholt, D. R., Rentería, M. E., International Headache Genetics Consortium, Olesen, J. (Medlem af forfattergruppering) & Hansen, T. F. (Medlem af forfattergruppering), 14 sep. 2022, I: Brain. 145, 9, s. 3214-3224 11 s.

The PACAP pathway is independent of CGRP in mouse models of migraine: possible new drug target?

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