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Main research areas

Human headache models; diagnostic tests in headache research; non-invasive neuroimaging in headache research.

Current research

Investigating novel headache provoking substances and myofascial pain in primary headache disorders; investigating novel imaging methods and diagnostic test in headache.

Potential conflicts of interest

None.

Employment

Consultant Neurologist

MD, PhD, DMSci, Associate Professor
Department of Neurology
The Capital Region of Denmark
1 Jan 2015 → present

Research outputs

Hypersensitivity to CGRP as a predictive biomarker of migraine prevention with erenumab

Al-Khazali, H. M., Ashina, H., Christensen, R. H., Wiggers, A., Rose, K., Iljazi, A., Amin, F. M., Ashina, M., Snellman, J., Maio-Twofoot, T. & Schytz, H. W., Jun 2024, In: Cephalalgia : an international journal of headache. 44, 6, p. 3331024241258734

Challenges in the management of new daily persistent headache at a tertiary headache center-A retrospective real-world evidence study

Linnet, T., Hussein, M., Schytz, H. W., Bendtsen, L. & Amin, F. M., May 2024, In: Headache Online. 64, 5, p. 509-515 7 p.

Pericranial Muscle Stiffness, Pain Thresholds, and Tenderness during a Treatment Cycle of OnabotulinumtoxinA for Chronic Migraine Prevention

Dalby, S. W., Hvedstrup, J., Carlsen, L. N., Ashina, S., Bendtsen, L. & Schytz, H. W., 3 Feb 2024, In: Diagnostics. 14, 3, 330.

Does physical activity and inflammation mediate the job stress-headache relationship? A sequential mediation analysis in the ELSA-Brasil study

Belitardo de Oliveira, A., Winter Schytz, H., Fernando Prieto Peres, M., Peres Mercante, J. P., Brunoni, A. R., Wang, Y.-P., Carmen B Molina, M. D., Koji Uchiyama, L., Lotufo, P. A., Højland Jensen, R., Benseñor, I. M., Härter Griep, R. & Goulart, A. C., 2024, In: Brain, Behavior, and Immunity. 120, p. 187-198 12 p.

Serum calcitonin gene-related peptide in patients with persistent post-concussion symptoms, including headache: a cohort study

Eggertsen, P. P., Palmfeldt, J., Schytz, H. W., Hay, D., Olsen, R. K. J. & Nielsen, J. F., 2024, In: Journal of Neurology. 271, 5, p. 2458-2472 15 p.

Spontaneous Intracranial Hypotension: Long-Term Follow-Up

Vukovic-Cvetkovic, V., Schytz, H. W., Smilkov, E. A. & Jensen, R. H., 2024, In: *Acta Neurologica Scandinavica*. 2024, 9355884.

Validation of a Digital Headache Calendar at a Tertiary Referral Center

Kjerrumgaard, A., Hvedstrup, J., Carlsen, L. N., Dyre, K. & Schytz, H., 22 Dec 2023, In: *Diagnostics*. 14, 1, 21.

Calcitonin gene-related peptide causes migraine aura

Al-Khazali, H. M., Ashina, H., Wiggers, A., Rose, K., Iljazi, A., Christensen, R. H., Schytz, H. W., Amin, F. M. & Ashina, M., Dec 2023, In: *Journal of Headache and Pain*. 24, 1, 124.

An exploratory analysis of clinical and sociodemographic factors in CGRP-induced migraine attacks: A REFORM study

Al-Khazali, H. M., Ashina, H., Christensen, R. H., Wiggers, A., Rose, K., Iljazi, A., Schytz, H. W., Amin, F. M. & Ashina, M., Oct 2023, In: *Cephalalgia : an international journal of headache*. 43, 10, 3331024231206375.

Evaluating Headache and Facial Pain in a Headache Diagnostic Laboratory: Experiences from the Danish Headache Center

Schytz, H. W. & Hvedstrup, J., 14 Aug 2023, In: *Diagnostics*. 13, 16, 2671.

Comparison of the blink reflex in classical and idiopathic trigeminal neuralgia

Bjerring, B., Maarbjerg, S., Heinskou, T., Bendtsen, L., Nikolic, M., Grillo, V., Icco, R. D. & Schytz, H. W., Jul 2023, In: *Cephalalgia : an international journal of headache*. 43, 7, p. 3331024231191136

Fundus imaging and perimetry in patients with idiopathic intracranial hypertension - an intermethod and interrater validity study

Rissan, Z., Hansen, N. S., Carlsen, L. N., Korsbaek, J. J., Jensen, R. H., Hamann, S. & Winther Schytz, H., Jul 2023, In: *European Journal of Neurology*. 30, 7, p. 1973-1982 10 p.

White matter hyperintensities and cerebral microbleeds in persistent post-traumatic headache attributed to mild traumatic brain injury: a magnetic resonance imaging study

Ashina, H., Christensen, R. H., Al-Khazali, H. M., Iljazi, A., Tolnai, D., Eigenbrodt, A. K., Larsson, H. B. W., Schytz, H. W., Lindberg, U. & Amin, F. M., 24 Feb 2023, In: *Journal of Headache and Pain*. 24, 1, 15.

Adding eptinezumab to brief patient education to treat chronic migraine and medication-overuse headache: Protocol for RESOLUTION-A phase 4, multinational, randomized, double-blind, placebo-controlled study

Jensen, R. H., Schytz, H. W., Tassorelli, C., Terwindt, G. M., Carlsen, L. N., Mittoux, A., Østerberg, O., Lipton, R. B., Tepper, S. J., Blumenfeld, A. & Lundqvist, C., 2023, In: *Frontiers in Neurology*. 14, 1114654.

Cortical hemodynamic response during cognitive Stroop test in acute stroke patients assessed by fNIRS

Heiberg, A. V., Simonsen, S. A., Schytz, H. W. & Iversen, H. K., 2023, In: *NeuroRehabilitation*. 52, 2, p. 199-217 19 p.

Sensitivity of the SNNOOP10 list in the high-risk secondary headache detection

García-Azorín, D., Abelaira-Freire, J., González-García, N., Rodríguez-Adrada, E., Schytz, H. W., Barloese, M., Guerrero, Á. L., Porta-Etessam, J. & Martín-Sánchez, F. J., Dec 2022, In: *Cephalalgia : an international journal of headache*. 42, 14, p. 1521-1531 11 p.

The role of cytokines in migraine: A systematic review

Thuraiayah, J., Erritzøe-Jervild, M., Al-Khazali, H. M., Schytz, H. W. & Younis, S., Dec 2022, In: *Cephalalgia : an international journal of headache*. 42, 14, p. 1565-1588 24 p.

Telemedicine in headache care: A systematic review

Clausen, T. C., Greve, N. K., Müller, K. I., Kristoffersen, E. S. & Schytz, H. W., Nov 2022, In: *Cephalalgia : an international journal of headache*. 42, 13, p. 1397-1408 12 p.

Telephone follow-up on treatment and patient satisfaction at a Danish tertiary headache center: A prospective study
Carlsen, L. N., Bendtsen, L., Jensen, R. H. & Schytz, H. W., Nov 2022, In: *Headache*. 62, 10, p. 1312-1321 10 p.

CGRP-induced migraine-like headache in persistent post-traumatic headache attributed to mild traumatic brain injury
Ashina, H., Iljazi, A., Al-Khazali, H. M., Do, T. P., Eigenbrodt, A. K., Larsen, E. L., Andersen, A. M., Hansen, K. J., Bräuner, K. B., Chaudhry, B. A., Christensen, C. E., Amin, F. M. & Schytz, H. W., 17 Oct 2022, In: *Journal of Headache and Pain*. 23, 1, p. 1-9 9 p., 135.

A history of International Headache Society grants and their impact on headache careers
Puledda, F., Wang, S.-J., Diener, H.-C. & Schytz, H. W., Oct 2022, In: *Cephalalgia : an international journal of headache*. 42, 11-12, p. 1288-1293 6 p.

Transorbital sonography: A non-invasive bedside screening tool for detection of pseudotumor cerebri syndrome
Korsbæk, J. J., Hagen, S. M., Schytz, H. W., Vukovic-Cvetkovic, V., Wibroe, E. A., Hamann, S. & Jensen, R. H., Oct 2022, In: *Cephalalgia : an international journal of headache*. 42, 11-12, p. 1116-1126 11 p.

Treatment experiences and clinical characteristics in migraine and tension-type headache patients before the first visit to a tertiary headache center
Mouaanaki, S. A., Carlsen, L. N., Bendtsen, L., Jensen, R. H. & Schytz, H. W., Oct 2022, In: *Cephalalgia : an international journal of headache*. 42, 11-12, p. 1265-1273 9 p.

Total tenderness score and pressure pain thresholds in persistent post-traumatic headache attributed to mild traumatic brain injury
Ashina, H., Al-Khazali, H. M., Iljazi, A., Ashina, S., Amin, F. M. & Schytz, H. W., 8 Aug 2022, In: *Journal of Headache and Pain*. 23, 1, p. 1-8 8 p., 96.

Prevalence of neck pain in migraine: A systematic review and meta-analysis
Al-Khazali, H. M., Younis, S., Al-Sayegh, Z., Ashina, S., Ashina, M. & Schytz, H. W., Jun 2022, In: *Cephalalgia : an international journal of headache*. 42, 7, p. 663-673 11 p.

Low adherence to the guideline for the acute treatment of migraine
Olesen, A., Schytz, H. W., Ostrowski, S. R., Topholm, M., Nielsen, K., Erikstrup, C., Mikkelsen, S., Pedersen, O. B., Olesen, J., Hansen, T. F. & Chalmer, M. A., 19 May 2022, In: *Scientific Reports*. 12, 1, p. 1-8 8 p., 8487.

Airplane flights triggering spontaneous intracranial hypotension: Observations from the Danish headache centre
Vukovic-Cvetkovic, V. & Schytz, H. W., 2022, In: *Acta Neurologica Scandinavica*. 146, 1, p. 92-98 7 p.

Psychiatric Sequelae Following Whiplash Injury: A Systematic Review
Al-Khazali, H. M., Ashina, H., Iljazi, A., Al-Sayegh, Z., Lipton, R. B., Ashina, M., Ashina, S. & Schytz, H. W., 2022, In: *Frontiers in Psychiatry*. 13, p. 1-9 9 p., 814079.

Diagnosis and management of migraine in ten steps
Eigenbrodt, A. K., Ashina, H., Khan, S., Diener, H. C., Mitsikostas, D. D., Sinclair, A. J., Pozo-Rosich, P., Martelletti, P., Ducros, A., Lantéri-Minet, M., Braschinsky, M., del Rio, M. S., Daniel, O., Özge, A., Mammadbayli, A., Arons, M., Skorobogatikh, K., Romanenko, V., Terwindt, G. M. & Paemeleire, K. & 7 others, Sacco, S., Reuter, U., Lampl, C., Schytz, H. W., Katsarava, Z., Steiner, T. J. & Ashina, M., Aug 2021, In: *Nature Reviews Neurology*. 17, 8, p. 501-514 14 p.

Hypersensitivity to calcitonin gene-related peptide in chronic migraine
Iljazi, A., Ashina, H., Zhuang, Z. A., Lopez Lopez, C., Snellman, J., Ashina, M. & Schytz, H. W., May 2021, In: *Cephalalgia : an international journal of headache*. 41, 6, p. 701-710 10 p.

Author Response: Clinical Characterization of Delayed Alcohol-Induced Headache: A Study of 1,108 Participants
García-Azorín, D., Schytz, H. W. & Guerrero, Á. L., 20 Apr 2021, In: *Neurology*. 96, 16, p. 772-773 2 p.

Reference programme: diagnosis and treatment of headache disorders and facial pain. Danish Headache Society, 3rd edition, 2020

Schytz, H. W., Amin, F. M., Jensen, R. H., Carlsen, L., Maarbjerg, S., Lund, N., Aegidius, K., Thomsen, L. L., Bach, F. W., Beier, D., Johansen, H., Hansen, J. M., Kasch, H., Munksgaard, S. B., Poulsen, L., Sørensen, P. S., Schmidt-Hansen, P. T., Cvetkovic, V. V., Ashina, M. & Bendtsen, L., 8 Apr 2021, In: Journal of Headache and Pain. 22, 1, p. 22 22.

Validation of the Temporomandibular Disorder Pain Screener in a Specialized Headache Center

van der Meer, H. A., Bakke, M., Schytz, H. W. & Madsen, B. K., 1 Mar 2021, In: Journal of oral & facial pain and headache. 35, 2, p. 150-156 7 p.

Green Flags and headache: A concept study using the Delphi method

Pohl, H., Do, T. P., García-Azorín, D., Hansen, J. M., Kristoffersen, E. S., Nelson, S. E., Obermann, M., Sandor, P. S., Schankin, C. J., Schytz, H. W., Sinclair, A., Schoonman, G. G. & Gantenbein, A. R., Feb 2021, In: Headache. 61, 2, p. 300-309 10 p.

Board Walk - January 2021

Schytz, H. W. & Lee, M. J., 2021, In: Cephalalgia : an international journal of headache. 41, 1, p. 131-132 2 p.

Delayed headache after COVID-19 vaccination: a red flag for vaccine induced cerebral venous thrombosis

García-Azorín, D., Do, T. P., Gantenbein, A. R., Hansen, J. M., Souza, M. N. P., Obermann, M., Pohl, H., Schankin, C. J., Schytz, H. W., Sinclair, A., Schoonman, G. G. & Kristoffersen, E. S., 2021, In: Journal of Headache and Pain. 22, 1, p. 108 108.

Hovedpine og ansigtssmerter

Bendtsen, L., Schytz, H. W., Jensen, R. H., Bach, F. W., Kasch, H., Hansen, J. M., Ashina, M., Antic, S., Scheuer, K. H., Thimsen Pedersen, A., Beier, D., Aegidius, K. L., Vukovic Cvetkovic, V., Lund, N., Hvedstrup, J., Madsen, B. K., Carlsen, L. N., Munksgaard, S. B., Maarbjerg, S. & Jensen, T. S. & 2 others, RoCHAT, P. B. & Amin, F. M., 2021

Nonpharmacological Treatment of Persistent Postconcussion Symptoms in Adults: A Systematic Review and Meta-analysis and Guideline Recommendation

Rytter, H. M., Graff, H. J., Henriksen, H. K., Aaen, N., Hartvigsen, J., Hoegh, M., Nisted, I., Næss-Schmidt, E. T., Pedersen, L. L., Schytz, H. W., Thastum, M. M., Zerlang, B. & Callesen, H. E., 2021, In: JAMA network open. 4, 11, p. 1-16 16 p., e2132221.

Pain sensitivity in men who have never experienced a headache: an observer blinded case control study

Olofsson, I. A., Hvedstrup, J., Falkenberg, K., Chalmer, M. A., Schytz, H. W., Pedersen, M. B., Ullum, H., Pedersen, O. B., Olesen, J. & Hansen, T. F., 2021, In: Journal of Headache and Pain. 22, 1, p. 1-9 9 p., 134.

Post-traumatic headache attributed to traumatic brain injury: classification, clinical characteristics, and treatment

Ashina, H., Eigenbrodt, A. K., Seifert, T., Sinclair, A. J., Scher, A. I., Schytz, H. W., Lee, M. J., De Icco, R., Finkel, A. G. & Ashina, M., 2021, In: The Lancet Neurology. 20, 6, p. 460-469 10 p.

Psychiatric and cognitive comorbidities of persistent post-traumatic headache attributed to mild traumatic brain injury

Ashina, H., Al-Khazali, H. M., Iljazi, A., Ashina, S., Amin, F. M., Lipton, R. B. & Schytz, H. W., 2021, In: Journal of Headache and Pain. 22, 1, p. 1-10 10 p., 83.

Interrelations between migraine-like headache and persistent post-traumatic headache attributed to mild traumatic brain injury: a prospective diary study

Ashina, H., Iljazi, A., Amin, F. M., Ashina, M., Lipton, R. B. & Schytz, H. W., Dec 2020, In: Journal of Headache and Pain. 21, 1, p. 134 134.

Clinical characterization of delayed alcohol-induced headache: A study of 1,108 participants

García-Azorín, D., Aparicio-Cordero, L., Talavera, B., Johnson, A., Schytz, H. W. & Guerrero-Peral, Á. L., 13 Oct 2020, In: Neurology. 95, 15, p. e2161-e2169

Low plasma levels of calcitonin gene-related peptide in persistent post-traumatic headache attributed to mild traumatic brain injury

Ashina, H., Al-Khazali, H. M., Iljazi, A., Ashina, S., Jørgensen, N. R., Amin, F. M., Ashina, M. & Schytz, H. W., Oct 2020, In: Cephalalgia : an international journal of headache. 40, 12, p. 1276-1282 7 p.

Low frequency activation of the sphenopalatine ganglion does not induce migraine-like attacks in migraine patients

Guo, S., Falkenberg, K., Schytz, H. W., Caparso, A., Jensen, R. H. & Ashina, M., Aug 2020, In: Cephalalgia : an international journal of headache. 40, 9, p. 966-977 12 p.

Ictal neck pain investigated in the interictal state - a search for the origin of pain

Hvedstrup, J., Kolding, L. T., Younis, S., Ashina, M. & Schytz, H. W., May 2020, In: Cephalalgia : an international journal of headache. 40, 6, p. 614-624 11 p.

Increased neck muscle stiffness in migraine patients with ictal neck pain: A shear wave elastography study

Hvedstrup, J., Kolding, L. T., Ashina, M. & Schytz, H. W., May 2020, In: Cephalalgia : an international journal of headache. 40, 6, p. 565-574 10 p.

Neck pain and headache after whiplash injury: a systematic review and meta-analysis

Al-Khazali, H. M., Ashina, H., Iljazi, A., Lipton, R. B., Ashina, M., Ashina, S. & Schytz, H. W., May 2020, In: Pain. 161, 5, p. 880-888 9 p.

Persistent post-traumatic headache attributed to mild traumatic brain injury: Deep phenotyping and treatment patterns

Ashina, H., Iljazi, A., Al-Khazali, H. M., Ashina, S., Jensen, R. H., Amin, F. M., Ashina, M. & Winther Schytz, H., May 2020, In: Cephalalgia : an international journal of headache. 40, 6, p. 554-564 11 p.

Dizziness and vertigo during the prodromal phase and headache phase of migraine: A systematic review and meta-analysis

Iljazi, A., Ashina, H., Lipton, R. B., Chaudhry, B., Al-Khazali, H. M., Naples, J. G., Schytz, H. W., Vukovic Cvetkovic, V., Burstein, R. & Ashina, S., 2020, In: Cephalalgia : an international journal of headache. 40, 10, p. 1095-1103

Efficacy, tolerability, and safety of erenumab for the preventive treatment of persistent post-traumatic headache attributed to mild traumatic brain injury: an open-label study

Ashina, H., Iljazi, A., Al-Khazali, H. M., Eigenbrodt, A. K., Larsen, E. L., Andersen, A. M., Hansen, K. J., Bräuner, K. B., Mørch-Jessen, T., Chaudhry, B., Antic, S., Christensen, C. E., Ashina, M., Amin, F. M. & Schytz, H. W., 2020, In: Journal of Headache and Pain. 21, 1, p. 62-

Hovedpine

Schytz, H. W. & Jensen, R. H., 2020, *Klinisk neurologi og neurokirurgi*. 7. ed. København : FADL's Forlag, p. 311-331 23 p.

Hypersensitivity to Calcitonin Gene-Related Peptide in Post-Traumatic Headache

Ashina, H., Iljazi, A., Al-Khazali, H. M., Christensen, C. E., Amin, F. M., Ashina, M. & Schytz, H. W., 2020, In: Annals of Neurology. 88, 6, p. 1220-1228 9 p.

Post-Traumatic Stress Disorder After Traumatic Brain Injury-A Systematic Review and Meta-Analysis

Iljazi, A., Ashina, H., Al-Khazali, H. M., Lipton, R. B., Ashina, M., Schytz, H. W. & Ashina, S., 2020, In: Neurological Sciences. 41, 10, p. 2737-2746

Post-traumatic stress disorder attributed to traumatic brain injury in children - a systematic review

Iljazi, A., Ashina, H., Al-Khazali, H. M., Ashina, M., Winther Schytz, H. & Ashina, S., 2020, In: Brain Injury. 34, 7, p. 857-863 7 p.

REFERENCEPROGRAM: Diagnostik og behandling af hovedpinesygdomme og ansigtssmerter

Bendtsen, L., Amin, F. M., Ashina, M., Carlsen, L. N., Hansen, J. M., Jensen, R. H., Lund, N., Maarbjerg, S., Munksgaard, S. B., Vukovic Cvetkovic, V. & Schytz, H. W., 2020, 3. ed. Dansk Hovedpine Selskab. 87 p.

Risk Factors for the Development of Post-Traumatic Headache Attributed to Traumatic Brain Injury: A Systematic Review

Andersen, A. M., Ashina, H., Iljazi, A., Al-Khazali, H. M., Chaudhry, B., Ashina, M., Ashina, S. & Schytz, H. W., 2020, In: *Headache*. 60, 6, p. 1066-1075 10 p.

Volume of the rectus capitis posterior minor muscle in migraine patients: a cross-sectional structural MRI study

Hvedstrup, J., Amin, F. M., Hougaard, A., Ashina, H., Christensen, C. E., Larsson, H. B. W., Ashina, M. & Schytz, H. W., 2020, In: *Journal of Headache and Pain*. 21, 1, p. 57 02001129.

Post-traumatic headache: epidemiology and pathophysiological insights

Ashina, H., Porreca, F., Anderson, T., Amin, F. M., Ashina, M., Schytz, H. W. & Dodick, D. W., Oct 2019, In: *Nature reviews. Neurology*. 15, 10, p. 607-617 11 p.

Effect of hypoxia on BOLD fMRI response and total cerebral blood flow in migraine with aura patients

Arnglim, N., Hougaard, A., Schytz, H. W., Vestergaard, M. B., Britze, J., Amin, F. M., Olsen, K., Larsson, H. B., Olesen, J. & Ashina, M., Apr 2019, In: *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*. 39, 4, p. 680-689 10 p.

Non-invasive methods for measuring vascular changes in neurovascular headaches

Schytz, H. W., Amin, F. M., Selb, J. & Boas, D. A., Apr 2019, In: *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*. 39, 4, p. 633-649 17 p.

Red and orange flags for secondary headaches in clinical practice: SNNOOP10 list

Do, T. P., Remmers, A., Schytz, H. W., Schankin, C., Nelson, S. E., Obermann, M., Hansen, J. M., Sinclair, A. J., Gantenbein, A. R. & Schoonman, G. G., 15 Jan 2019, In: *Neurology*. 92, 3, p. 134-144 11 p.

Acute and preventive pharmacological treatment of post-traumatic headache: a systematic review

Larsen, E. L., Ashina, H., Iljazi, A., Al-Khazali, H. M., Seem, K., Ashina, M., Ashina, S. & Schytz, H. W., 2019, In: *Journal of Headache and Pain*. 20, 1, p. 98

Autoimmun autonom ganglionopati hos en patient med nydiagnosticeret type 1-diabetes

Elmose, C. K. H., Barløse, M., Christiansen, I. & Schytz, H. W., 2019, In: *Ugeskrift for Laeger*. 181, 14, p. V10180743

CGRP in Human Models of Migraine

Ashina, H., Schytz, H. W. & Ashina, M., 2019, *Handbook of Experimental Pharmacology*. Vol. 255. p. 109-120 12 p. (*Handbook of Experimental Pharmacology*).

Intracranial Pressure: A Comparison of the Noninvasive HeadSense Monitor versus Lumbar Pressure Measurement

Hvedstrup, J., Radojicic, A., Moudrous, W., Herklots, M. W., Wert, A., Holzgraefe, M., Obermann, M., Schoonman, G. G., Jensen, R. H. & Schytz, H. W., 1 Apr 2018, In: *World Neurosurgery*. 112, p. e576-e580.

Reference Values for Shear Wave Elastography of Neck and Shoulder Muscles in Healthy Individuals

Ewertsen, C., Carlsen, J., Perveez, M. A. & Schytz, H., Jan 2018, In: *Ultrasound International Open*. 4, 1, p. E23-E29

Assessing low-frequency oscillations in cerebrovascular diseases and related conditions with near-infrared spectroscopy: a plausible method for evaluating cerebral autoregulation?

Andersen, A. V., Simonsen, S. A., Schytz, H. W. & Iversen, H. K., 2018, In: *Neurophotonics*. 5, 3, p. 030901

Botulinum toxin: A review of the mode of action in migraine

Do, T. P., Hvedstrup, J. & Schytz, H. W., 2018, In: *Acta Neurologica Scandinavica*. 137, 5, p. 442-451 10 p.

Carbon monoxide inhalation induces headache but no migraine in patients with migraine without aura

Ghanizada, H., Arnglim, N., Schytz, H. W., Olesen, J. & Ashina, M., 2018, In: *Cephalalgia*. 38, 13, p. 1940-1949

Carbon monoxide inhalation induces headache in a human headache model

Arnglim, N., Schytz, H. W., Britze, J., Vestergaard, M. B., Sander, M., Olsen, K. S., Olesen, J. & Ashina, M., 2018, In: Cephalalgia : an international journal of headache. 38, 4, p. 697-706

CGRP in human models of primary headaches

Ashina, H., Schytz, H. W. & Ashina, M., 2018, In: Cephalalgia : an international journal of headache. 38, 2, p. 353-360

Cranial parasympathetic activation induces autonomic symptoms but no cluster headache attacks

Guo, S., Petersen, A. S., Schytz, H. W., Barløse, M., Caparso, A., Fahrenkrug, J., Jensen, R. H. & Ashina, M., 2018, In: Cephalalgia : an international journal of headache. 38, 8, p. 1418-1428

Cranial parasympathetic activation induces autonomic symptoms but no cluster headache attacks

Guo, S., Petersen, A. S., Schytz, H. W., Barloese, M., Caparso, A., Fahrenkrug, J., Jensen, R. H. & Ashina, M., 2018, In: Cephalalgia. 38, 8, p. 1418-1428

Muscle stiffness in tension-type headache patients with pericranial tenderness: A shear wave elastography study

Kolding, L. T., Do, T. P., Ewertsen, C. & Schytz, H. W., 2018, In: Cephalalgia Reports. 1, p. 1-6 7 p.

Myofascial trigger points in migraine and tension-type headache

Do, T. P., Heldarskard, G. F., Kolding, L. T., Hvedstrup, J. & Schytz, H. W., 2018, In: Journal of Headache and Pain. 19, 1, p. 84

Testing the diagnostic criteria of tension-type headache

Schytz, H. W., 2018, In: Cephalalgia : an international journal of headache. 38, 12, p. 1803-1804 2 p.

Transport of the pituitary adenylate cyclase-activating polypeptide across the blood-brain barrier: implications for migraine

Amin, F. M. & Schytz, H. W., 2018, In: Journal of Headache and Pain. 19, 1, p. 35

Heterogenous migraine aura symptoms correlate with visual cortex functional magnetic resonance imaging responses

Arnglim, N., Hougaard, A., Ahmadi, K., Vestergaard, M. B., Schytz, H. W., Amin, F. M., Larsson, H. B. W., Olesen, J., Hoffmann, M. B. & Ashina, M., Dec 2017, In: Annals of Neurology. 82, 6, p. 925-939 15 p.

Challenges in developing drugs for primary headaches

Schytz, H. W., Hargreaves, R. & Ashina, M., 2017, In: Progress in Neurobiology. 152, p. 70-88

Hypoxic mechanisms in primary headaches

Britze, J., Arnglim, N., Schytz, H. W. & Ashina, M., 2017, In: Cephalalgia : an international journal of headache. 37, 4, p. 372-384 13 p.

Laboratory tests of headache disorders - dawn of a new era?

Schytz, H. W. & Olesen, J., 2016, In: Cephalalgia : an international journal of headache. 36, 13, p. 1268-1290

Migraine induced by hypoxia: a MRI spectroscopy and angiography study

Arnglim, N., Schytz, H. W., Britze, J., Amin, F. M., Vestergaard, M. B., Hougaard, A., Wolfram, F., de Koning, P. J. H., Olsen, K. S., Secher, N. H., Larsson, H. B. W., Olesen, J. & Ashina, M., 2016, In: Brain. 139, Pt. 3, p. 723-37

Ultrasound tagged near infrared spectroscopy does not detect hyperventilation-induced reduction in cerebral blood flow

Lund, A., Secher, N. H., Hirasawa, A., Ogoh, S., Hashimoto, T., Schytz, H. W., Ashina, M. & Sørensen, H., 2016, In: Scandinavian Journal of Clinical & Laboratory Investigation. 76, 1, p. 82-87 6 p.

NIRS - Near infrared spectroscopy - investigations in neurovascular diseases

Schytz, H. W., Dec 2015, (Danish Medical Bulletin (Online)).

Effect of motion artifacts and their correction on near-infrared spectroscopy oscillation data: a study in healthy subjects and stroke patients

Selb, J., Yücel, M. A., Phillip, D., Schytz, H. W., Iversen, H. K., Vangel, M., Ashina, M. & Boas, D. A., May 2015, In: *Journal of Biomedical Optics*. 20, 5, p. 56011

Pathophysiology of Headaches

Schytz, H. W. & Schoonman, G. G., 2015, *Headache - Human Models of Primary Headaches*. p. 101-115

Carbon monoxide may be an important molecule in migraine and other headaches

Arnglim, N. B., Schytz, H. W., Hauge, M. K., Ashina, M. & Olesen, J., Dec 2014, In: *Cephalalgia : an international journal of headache*. 34, 14, p. 1169-80 12 p.

Research update for articles published in EJCI in 2012

Dullaart, R. P. F., Al-Daghri, N. M., Ashina, M., Bouzas-Mosquera, A., Brunetti, N. D., Buechler, C., Chen, H.-S., Corrales, J. J., D'Archivio, M., Dei Cas, A., Pino, G. G., Gómez-Abril, S. A., Györi, D., Haslacher, H., Herder, C., Kerstens, M. N., Koutsilieris, M., Lombardi, C., Lupattelli, G. & Mócsai, A. & 26 others, Msaouel, P., Orfao, A., Ormazabal, P., Pacher, R., Perkmann, T., Peteiro, J., Plischke, M., Reynaert, N. L., Ricci, M. A., Robles, N. R., Rocha, M., Rutten, E. P. A., Sabico, S., Santamaria, F., Santoro, F., Schmid, A., Schmidt, M., Schytz, H. W., Shyu, K.-G., Tada, H., Thorand, B., Valerio, G., Vesely, D. L., Wu, T.-E., Yamagishi, M. & Yeh, Y.-T., Oct 2014, In: *European Journal of Clinical Investigation*. 44, 10, p. 1010-23 14 p.

Sumatriptan plus naproxen i behandlingen af akutte migræneanfald: en gennemgang af et Cochranereview

Schytz, H. W. & Bendtsen, L., 4 Aug 2014, In: *Ugeskrift for læger [online]*. 176, 32

Association of acetazolamide infusion with headache and cranial artery dilation in healthy volunteers

Arnglim, N. B., Schytz, H. W., Asghar, M. S., Amin, F. M., Hougaard, A., Larsen, V. A., de Koning, P. J. H., Larsson, H. B. W., Olesen, J. & Ashina, M., Aug 2014, In: *Pain*. 155, 8, p. 1649-58 10 p.

Acute headache and persistent headache attributed to cervical artery dissection: Field testing of ICHD-III beta

Schytz, H. W., Ashina, M., Magyar, M., Larsen, V. A., Olesen, J. & Iversen, H. K., 2014, In: *Cephalalgia : an international journal of headache*. 34, 9, p. 712-716 5 p.

Investigation of the pathophysiological mechanisms of migraine attacks induced by pituitary adenylate cyclase-activating polypeptide-38

Amin, F. M., Hougaard, A., Schytz, H. W., Asghar, M. S., Lundholm, E., Parvaiz, A. I., de Koning, P. J. H., Andersen, M. R., Larsson, H. B. W., Fahrenkrug, J., Olesen, J. & Ashina, M., 2014, In: *Brain*. 137, p. 779-94 16 p.

Spontaneous Low Frequency Oscillations in Acute Ischemic Stroke: A Near Infrared Spectroscopy (NIRS) Study

Phillip, D., Schytz, H. W., Iversen, H. K., Selb, J., Boas, D. A. & Ashina, M., 2014, In: *Journal of Neurology & Neurophysiology*. 5, 6

Experimental activation of the sphenopalatine ganglion provokes cluster-like attacks in humans

Schytz, H. W., Barløse, M., Guo, S., Selb, J., Caparso, A., Jensen, R. & Ashina, M., Jun 2013, In: *Cephalalgia*. 33, 10, p. 831-841 10 p.

Low-frequency oscillations and vasoreactivity of cortical vessels in obstructive sleep apnea during wakefulness: A near infrared spectroscopy study

Schytz, H. W., Jensen, B. E., Jennum, P., Selb, J., Boas, D. A. & Ashina, M., May 2013, In: *Sleep Medicine Clinics*. 14, 5, p. 416-21 6 p.

Altered Low Frequency Oscillations of Cortical Vessels in Patients with Cerebrovascular Occlusive Disease - A NIRS Study

Phillip, D., Iversen, H. K., Schytz, H. W., Selb, J., Boas, D. A. & Ashina, M., 2013, In: *Frontiers in Neurology*. 4, p. 204

Nitric Oxide and Neurovascular Biology in Primary Headaches

Schytz, H. W. & Ashina, M., 2013, *Headache and Pain*. Baron, R. & May, A. (eds.). International Association for the Study of Pain/IASP Press

A New Technology for Detecting Cerebral Blood Flow: A Comparative Study of Ultrasound Tagged NIRS and (133)Xe-SPECT

Schytz, H. W., Guo, S., Jensen, L. T., Kamar, M., Nini, A., Gress, D. R. & Ashina, M., 2012, In: *Neurocritical Care*. 17, 1, p. 139-45 7 p.

A systematic comparison of motion artifact correction techniques for functional near-infrared spectroscopy

Cooper, R. J., Selb, J., Gagnon, L., Phillip, D., Schytz, H. W., Iversen, H. K., Ashina, M. & Boas, D. A., 2012, In: *Frontiers in Neuroscience*. 6, p. 147

Cerebral sinustrombose ved Behçets sygdom

Schytz, H. W., Wegener, M. & Lassen, L. L., 2012, In: *Ugeskrift for Læger*. 174, 20, p. 1385-6 2 p.

Headache and prolonged dilatation of the middle meningeal artery by PACAP38 in healthy volunteers

Amin, F. M., Asghar, M. S., Guo, S., Hougaard, A., Hansen, A. E., Schytz, H. W., van der Geest, R. J., de Koning, P. J., Larsson, H. B., Olesen, J. & Ashina, M., 2012, In: *Cephalalgia*. 32, 2, p. 140-9 10 p.

Low frequency oscillations in cephalic vessels assessed by near infrared spectroscopy

Phillip, D., Schytz, H. W., Selb, J., Payne, S., Iversen, H. K., Skovgaard, L. T., Boas, D. A. & Ashina, M., 2012, In: *European Journal of Clinical Investigation*. 42, 11, p. 1180-1188

Nitric Oxide Modulation of Low-Frequency Oscillations in Cortical Vessels in FHM - a NIRS Study

Schytz, H. W., Hansen, J. M., Phillip, D., Selb, J., Boas, D. A. & Ashina, M., 2012, In: *Headache*. 52, 7, p. 1146-1154

Hemiplegic migraine aura begins with cerebral hypoperfusion: imaging in the acute phase

Hansen, J. M., Schytz, H. W., Larsen, V. A., Iversen, H. K. & Ashina, M., 2011, In: *Headache*. 51, 8, p. 1289-96 8 p.

Investigation of carbachol and PACAP38 in a human model of migraine

Schytz, H. W., 2011

Spontaneous low-frequency oscillations in cerebral vessels: applications in carotid artery disease and ischemic stroke

Schytz, H. W., Hansson, A., Phillip, D., Selb, J., Boas, D. A., Iversen, H. K. & Ashina, M., Nov 2010, In: *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*. 19, 6, p. 465-74 10 p.

Cutaneous nociception and neurogenic inflammation evoked by PACAP38 and VIP

Schytz, H. W., Holst, H., Arendt-Nielsen, L., Olesen, J. & Ashina, M., 1 Aug 2010, In: *Journal of Headache and Pain*. 11, 4, p. 309-16 8 p.

What have we learnt from triggering migraine?

Schytz, H. W., Schoonman, G. G. & Ashina, M., 1 Jun 2010, In: *Current Opinion in Neurology*. 23, 3, p. 259-65 7 p.

Intact neurovascular coupling during executive function in migraine without aura: interictal near-infrared spectroscopy study

Schytz, H. W., Ciftçi, K., Akin, A., Ashina, M. & Bolay, H., 1 Apr 2010, In: *Cephalalgia*. 30, 4, p. 457-66 10 p.

The PACAP receptor: a novel target for migraine treatment

Schytz, H. W., Olesen, J. & Ashina, M., 1 Apr 2010, In: *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*. 7, 2, p. 191-6 6 p.

Carbachol induces headache, but not migraine-like attacks, in patients with migraine without aura

Schytz, H. W., Wienecke, T., Olesen, J. & Ashina, M., 2009, In: Cephalalgia : an international journal of headache. 29, Suppl S1, p. 127-128 1 p.

Changes in cerebral blood flow after acetazolamide: an experimental study comparing near-infrared spectroscopy and SPECT

Schytz, H. W., Wienecke, T., Jensen, L. T., Selb, J., Boas, D. A. & Ashina, M., 2009, In: European Journal of Neurology. 16, 4, p. 461-7 6 p.

Effects of tonabersat on migraine with aura: a randomised, double-blind, placebo-controlled crossover study

Hauge, A. W., Asghar, M. S., Schytz, H. W., Christensen, K. & Olesen, J., 2009, In: Lancet neurology. 8, 8, p. 718-23 5 p.

Intact neurovascular coupling during executive function in migraine without aura: interictal near-infrared spectroscopy study

Bolay, H., Schytz, H. W., Ciftci, K., Akin, A. & Ashina, M., 2009, In: Cephalalgia. 29, Suppl S1, p. 117-117 1 p.

PACAP38 induces migraine-like attacks in patients with migraine without aura

Schytz, H. W., Birk, S., Wienecke, T., Kruuse, C., Olesen, J. & Ashina, M., 2009, In: Brain. 132, Pt 1, p. 16-25 9 p.

The cholinomimetic agent carbachol induces headache in healthy subjects

Schytz, H. W., Wienecke, T., Oturai, P. S., Ashina, M. & Olesen, J., 2009, In: Cephalalgia : an international journal of headache. 29, 2, p. 258-68 10 p.