World Journal of Clinical Cases

World J Clin Cases 2023 June 6; 11(16): 3664-3931





Contents

Thrice Monthly Volume 11 Number 16 June 6, 2023

REVIEW

3664 Kikuchi-Fujimoto disease: A comprehensive review

Mahajan VK, Sharma V, Sharma N, Rani R

3680 Current diagnostic tools and treatment modalities for rectal prolapse

Oruc M, Erol T

MINIREVIEWS

3694 Application of laparoscopic surgery in gallbladder carcinoma

Wu X, Li BL, Zheng CJ

3706 Current research of idiopathic normal pressure hydrocephalus: Pathogenesis, diagnosis and treatment

Ishida T, Murayama T, Kobayashi S

3714 Helicobacter pylori plays a key role in gastric adenocarcinoma induced by spasmolytic polypeptide-

expressing metaplasia

Li ML, Hong XX, Zhang WJ, Liang YZ, Cai TT, Xu YF, Pan HF, Kang JY, Guo SJ, Li HW

Review of deep learning and artificial intelligence models in fetal brain magnetic resonance imaging 3725

Vahedifard F, Adepoju JO, Supanich M, Ai HA, Liu X, Kocak M, Marathu KK, Byrd SE

3736 Diabetes more than retinopathy, it's effect on the anterior segment of eye

Morya AK, Ramesh PV, Kaur K, Gurnani B, Heda A, Bhatia K, Sinha A

ORIGINAL ARTICLE

Retrospective Cohort Study

3750 Long term outcomes of Cohen's cross trigonal reimplantation for primary vesicoureteral reflux in poorly functioning kidney

Ansari MS, Banthia R, Jain S, Kaushik VN, Danish N, Yadav P

Retrospective Study

3756 Dexmedetomidine-induced anesthesia in elderly patients undergoing hip replacement surgery

Li JQ, Yuan H, Wang XQ, Yang M

Observational Study

Hypoperfusion context as a predictor of 28-d all-cause mortality in septic shock patients: A comparative 3765 observational study

Kataria S, Singh O, Juneja D, Goel A, Bhide M, Yadav D

World Journal of Clinical Cases

Contents

Thrice Monthly Volume 11 Number 16 June 6, 2023

3780 Psychological review of hemodialysis patients and kidney transplant recipients during the COVID-19 pandemic

Gundogmus AG, Oguz EG, Guler-Cimen S, Kocyigit Y, Dogan AE, Ayli MD

3791 Incidence and peri-operative risk factors for development of acute kidney injury in patients after cardiac surgery: A prospective observational study

Dimopoulos S, Zagkotsis G, Kinti C, Rouvali N, Georgopoulou M, Mavraki M, Tasouli A, Lyberopoulou E, Roussakis A, Vasileiadis I, Nanas S, Karabinis A

Randomized Controlled Trial

3802 Coaxial radiography guided puncture technique for percutaneous transforaminal endoscopic lumbar discectomy: A randomized control trial

Chen LP, Wen BS, Xu H, Lu Z, Yan LJ, Deng H, Fu HB, Yuan HJ, Hu PP

CASE REPORT

3813 Blood typing and transfusion therapy in a patient with A2 subtype acute myeloid leukemia M2: A case report

Kuang XC, Zhang SH, Cen YJ, Zhang JB, Liu YS

3822 Valve repair after infective endocarditis secondary to perforation caused by Streptococcus gordonii: A case

Qu YF, Yang J, Wang JY, Wei B, Ye XH, Li YX, Han SL

3830 Prevotella oris-caused meningitis and spinal canal infection: A case report

Zhang WW, Ai C, Mao CT, Liu DK, Guo Y

3837 Severe liver trauma with complex portal and common bile duct avulsion: A case report and review of the literature

Mitricof B, Kraft A, Anton F, Barcu A, Barzan D, Haiducu C, Brasoveanu V, Popescu I, Moldovan CA, Botea F

3847 TACC diagnosed by transoesophageal endoscopic ultrasonography: A case report

Pu XX, Xu QW, Liu BY

3852 Ruptured teratoma mimicking a pelvic inflammatory disease and ovarian malignancy: A case report

Lai PH, Ding DC

3858 Purpura annularis telangiectodes of Majocchi: A case report

Pu YJ, Jiang HJ, Zhang L

3864 Giant cyst in heterotopic pregnancy: A case report

Kong YY, Chanda K, Ying XY

3870 High doses of dextromethorphan induced shock and convulsions in a 19-year-old female: A case report

Π

Shimozawa S, Usuda D, Sasaki T, Tsuge S, Sakurai R, Kawai K, Matsubara S, Tanaka R, Suzuki M, Hotchi Y, Tokunaga S, Osugi I, Katou R, Ito S, Asako S, Mishima K, Kondo A, Mizuno K, Takami H, Komatsu T, Oba J, Nomura T, Sugita M

3877 Postpartum ovarian vein thrombosis after cesarean section and vaginal delivery: Two case reports

Zhu HD, Shen W, Wu HL, Sang X, Chen Y, Geng LS, Zhou T

World Journal of Clinical Cases

Contents

Thrice Monthly Volume 11 Number 16 June 6, 2023

- 3885 Traumatic pancreatic ductal injury treated by endoscopic stenting in a 9-year-old boy: A case report Kwon HJ, Jung MK, Park J
- 3891 Novel mutation c.2090_2091del in neurodevelopmental-craniofacial syndrome with variable renal and cardiac abnormalities in an 18.5-mo-old boy: A case report

Li Y, Zhou Z, Xu Y, Wang ZR

Reading impairment after neonatal hypoglycemia with parieto-temporo-occipital injury without cortical 3899 blindness: A case report

Kurahashi N, Ogaya S, Maki Y, Nonobe N, Kumai S, Hosokawa Y, Ogawa C, Yamada K, Maruyama K, Miura K, Nakamura

3907 Unusual clinical presentation of oral pyogenic granuloma with severe alveolar bone loss: A case report and review of literature

Lomelí Martínez SM, Bocanegra Morando D, Mercado González AE, Gómez Sandoval JR

- Intraoperative photodynamic therapy for tracheal mass in non-small cell lung cancer: A case report 3915 Jung HS, Kim HJ, Kim KW
- 3921 Coexistence of urinary tuberculosis and urothelial carcinoma: A case report Tsai YC, Li CC, Chen BT, Wang CY

LETTER TO THE EDITOR

3929 Symmetric DWI hyperintensities in CMT1X patients after SARS-CoV-2 vaccination should not be classified as stroke-like lesions

III

Finsterer J

Contents

Thrice Monthly Volume 11 Number 16 June 6, 2023

ABOUT COVER

Editorial Board Member of World Journal of Clinical Cases, Ashraf F Hefny, MD, MSc, Associate Professor, Surgeon, Department of Surgery, College of Medicine and Health Sciences, UAE University, Al Ain 00000, United Arab Emirates. ahefny@uaeu.ac.ae

AIMS AND SCOPE

The primary aim of World Journal of Clinical Cases (WJCC, World J Clin Cases) is to provide scholars and readers from various fields of clinical medicine with a platform to publish high-quality clinical research articles and communicate their research findings online.

WJCC mainly publishes articles reporting research results and findings obtained in the field of clinical medicine and covering a wide range of topics, including case control studies, retrospective cohort studies, retrospective studies, clinical trials studies, observational studies, prospective studies, randomized controlled trials, randomized clinical trials, systematic reviews, meta-analysis, and case reports.

INDEXING/ABSTRACTING

The WICC is now abstracted and indexed in Science Citation Index Expanded (SCIE, also known as SciSearch®), Journal Citation Reports/Science Edition, Current Contents®/Clinical Medicine, PubMed, PubMed Central, Scopus, Reference Citation Analysis, China National Knowledge Infrastructure, China Science and Technology Journal Database, and Superstar Journals Database. The 2022 Edition of Journal Citation Reports® cites the 2021 impact factor (IF) for WJCC as 1.534; IF without journal self cites: 1.491; 5-year IF: 1.599; Journal Citation Indicator: 0.28; Ranking: 135 among 172 journals in medicine, general and internal; and Quartile category: Q4. The WJCC's CiteScore for 2021 is 1.2 and Scopus CiteScore rank 2021: General Medicine is 443/826.

RESPONSIBLE EDITORS FOR THIS ISSUE

Production Editor: Si Zhao; Production Department Director: Xu Guo; Editorial Office Director: Jin-Lei Wang.

NAME OF JOURNAL

World Journal of Clinical Cases

ISSN 2307-8960 (online)

LAUNCH DATE

April 16, 2013

FREQUENCY

Thrice Monthly

EDITORS-IN-CHIEF

Bao-Gan Peng, Jerzy Tadeusz Chudek, George Kontogeorgos, Maurizio Serati, Ja Hveon Ku

EDITORIAL BOARD MEMBERS

https://www.wjgnet.com/2307-8960/editorialboard.htm

PUBLICATION DATE

June 6, 2023

COPYRIGHT

© 2023 Baishideng Publishing Group Inc

INSTRUCTIONS TO AUTHORS

https://www.wjgnet.com/bpg/gerinfo/204

GUIDELINES FOR ETHICS DOCUMENTS

https://www.wjgnet.com/bpg/GerInfo/287

GUIDELINES FOR NON-NATIVE SPEAKERS OF ENGLISH

https://www.wjgnet.com/bpg/gerinfo/240

PUBLICATION ETHICS

https://www.wjgnet.com/bpg/GerInfo/288

PUBLICATION MISCONDUCT

https://www.wignet.com/bpg/gerinfo/208

ARTICLE PROCESSING CHARGE

https://www.wignet.com/bpg/gerinfo/242

STEPS FOR SUBMITTING MANUSCRIPTS

https://www.wjgnet.com/bpg/GerInfo/239

ONLINE SUBMISSION

https://www.f6publishing.com

© 2023 Baishideng Publishing Group Inc. All rights reserved. 7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA E-mail: bpgoffice@wjgnet.com https://www.wjgnet.com



Submit a Manuscript: https://www.f6publishing.com

World J Clin Cases 2023 June 6; 11(16): 3929-3931

DOI: 10.12998/wjcc.v11.i16.3929

ISSN 2307-8960 (online)

LETTER TO THE EDITOR

Symmetric DWI hyperintensities in CMT1X patients after SARS-CoV-2 vaccination should not be classified as stroke-like lesions

Josef Finsterer

Specialty type: Medicine, research and experimental

Provenance and peer review:

Unsolicited article; Externally peer reviewed.

Peer-review model: Single blind

Peer-review report's scientific quality classification

Grade A (Excellent): 0 Grade B (Very good): 0 Grade C (Good): C, C Grade D (Fair): 0 Grade E (Poor): 0

P-Reviewer: Ata F, Qatar; Wang MK, China

Received: February 20, 2023 Peer-review started: February 20,

First decision: March 14, 2023 Revised: April 12, 2023 Accepted: April 25, 2023 Article in press: April 25, 2023 Published online: June 6, 2023



Josef Finsterer, Department of Neurology, Neurology & Neurophysiology Center, Vienna 1180, Austria

Corresponding author: Josef Finsterer, MD, Adjunct Associate Professor, Medical Assistant, Department of Neurology, Neurology & Neurophysiology Center, Postfach 20, Vienna 1180, Austria. fifigs1@yahoo.de

Abstract

The interesting case report by Zhang et al on a 39 years-old male with Charcot-Marie-Tooth disease type 1X has several limitations. The causal relation between the two episodes of asyndesis, dysphagia, and dyspnea 37 d after the second dose of the inactivated severe acute respiratory syndrome-coronavirus-2 (SARS-CoV-2) vaccine (Beijing Institute of Biological Products Co., Ltd., Beijing, China) remains unproven. SARS-CoV-2 vaccination cannot trigger a genetic disorder. It also remains unsupported that the patient had a stroke-like episode (SLE). SLEs occur in mitochondrial disorders but not in hereditary neuropathies. Because of the episodic nature of the neurological symptoms, it is critical to rule out seizures. Overall, the causal relation between vaccination and the neurological complications remains unsupported and the interpretation of symmetric diffusionweighted imaging lesions on cerebral magnetic resonance imaging should be carefully revised.

Key Words: Stroke-like episode; Stroke-like lesion; SARS-CoV-2; Vaccination; Side effect

©The Author(s) 2023. Published by Baishideng Publishing Group Inc. All rights reserved.

Core Tip: Symmetric diffusion-weighted imaging hyperintensities in charcot-marie-tooth type 1X patients after severe acute respiratory syndrome-coronavirus-2 vaccination should not be classified as stroke-like lesions.

Citation: Finsterer J. Symmetric DWI hyperintensities in CMT1X patients after SARS-CoV-2 vaccination should not be classified as stroke-like lesions. World J Clin Cases 2023; 11(16): 3929-3931

URL: https://www.wjgnet.com/2307-8960/full/v11/i16/3929.htm

DOI: https://dx.doi.org/10.12998/wjcc.v11.i16.3929

TO THE EDITOR

We read with interest the article by Zhang et al[1] on a 39 years-old male with two episodes of asyndesis, dysphagia, and dyspnea 37 d after the second dose of the inactivated severe acute respiratory syndrome-coronavirus-2 (SARS-CoV-2) vaccine (Beijing Institute of Biological Products Co., Ltd., Beijing, China). The individual history was positive for chronic eczema and kidney stones. The family history was positive for pes cavus in two brothers, and Charcot-Marie-Tooth (CMT) disease in one of them[1]. Neurological exam revealed chewing weakness, bulbar weakness, reduced tendon reflexes, discrete muscle wasting, and pes cavus[1]. Genetic work-up revealed the variant c.65G>A in GJB1 which is why Charcot-Marie-Tooth 1X (CMT1X) was diagnosed[1]. Despite documentation of the genetic defect, CMT1X was interpreted as side effect of the anti-SARS-CoV-2 vaccination[1]. The study is excellent but raises concerns.

The main limitation of the study is the study type (case report). SARS-CoV-2 vaccination cannot be held responsible for the two episodes of asyndesis, dysphagia, and dyspnea from a single case. A case control or cross-sectional study is warranted to confirm a causal relationship between vaccination and the acute neurological symptoms. Therefore, we disagree with the notion that "CMT1X can occur after SARS-CoV-2 vaccination" suggesting that the vaccination caused CMT1X, that SARS-CoV-2 vaccination is a predisposing factor for CMT1X, and that there are predisposing factors for CMT1X, such as fever, high-altitude travel, or excessive physical activity[1]. CMT1X is a genetic disorder and not an infectious or immunological disease. There is no causal relation between SARS-CoV-2 and CMT1X. However, infectious or immunological disease may occasionally modify the phenotype of CMT1X.

We disagree with the use of the term "stroke-like episode" (SLE)[1]. SLE is a phenomenon predominantly occurring in primary mitochondrial disorders, particularly in mitochondrial encephalopathy, lactic acidosis, and stroke-like episode syndrome, for which SLEs are pathognomonic[2]. SLEs are the clinical correlate of a stroke-like lesion (SLL), which are transient, dynamic cerebral lesions, most commonly originating from the cortex, and not consistent with a vascular territory and have a characteristic pattern on imaging.

We also disagree that the diffusion-weighted imaging (DWI) lesions shown in Figure 2 (original article) represent SLLs[1]. SLL's have typically a dynamic course with initial expansion of the lesion and regression after a nadir has been reached. SLL's end up as white matter lesion, focal atrophy, cyst formation, laminar cortical necrosis, or toenail sign[3]. Occasionally, SLLs disappear without a residual lesion. SLLs can be identified and delineated from differential abnormalities by multimodal magnetic resonance imaging (MRI), magnetic resonance spectroscopy (MRS), magnetic resonance angiography (MRA) and fluor-deoxy glucose-positron emission tomography (FDG-PET). On multimodal MRI, SLLs typically present as hyperintensity on T2, fluid-attenuated inversion recovery, DWI, and perfusionweighted imaging[4]. SLLs are hypointense on T1 and oxygen-extraction fraction MRI. MRS of SLLs typically shows a reduced N-acetyl aspartate peak and a lactate peak. MRA commonly shows dilation of arteries supplying the area of the SLL[4]. On FDG-PET, a SLL typically manifests with hypometabolism. Another argument against a SLL pretended to be shown in Figure 2, is that the lesions were symmetric. SLLs are almost always non-symmetrical. Another argument against SLLs is that these lesions did not show the typical dynamics of SLL. SLL usually expand until a nadir before they regress again and either completely disappear or remain in a lesional stage[4]. Another argument against SLLs is that they usually are associated with seizures or epileptiform discharges on electroencephalography (EEG) but the patient's individual history was negative for seizures. Lesions shown in Figure 2 do not meet these criteria. Therefore, they cannot be classified as SLLs and thus the clinical correlate cannot be a SLE.

A limitation of the study is that no EEG was recorded. SLLs are commonly associated with seizures or even triggered by seizures[5]. Furthermore, the episodic nature of the clinical manifestations aphasia and dysphagia suggest seizure activity. In addition, the transient DWI hyperintensities could be also triggered by seizures. Therefore, it is mandatory to search the history for seizures and to record an EEG.

An argument against a causal relation between SARS-CoV-2 vaccination and the cerebral lesions is the long latency of 37 days between vaccination and the MRI. Several other causes should have been ruled out. An argument for a causal relation is that DWI hyperintensities of the corpus callosum have been previously reported as side effects of SARS-CoV-2 vaccinations[6].

Because the index patient was diagnosed with a genetic disorder, it is mandatory to investigate all clinically affected and unaffected first-degree relatives for the causative variant. Family screening for the culprit variant is essential for assessing the progression and outcome of the disease and for genetic

It is not comprehensible why the previous history was not positive for pes cavus. Because pes cavus was described on the clinical neurologic exam, the patient should have noticed it already by himself. We should also know whether the patient recognised any phenotypic manifestations of hereditary neuropathy? Did he complain about paresthesias, dysesthesias, allodynia, numbness, liability to pressure palsies, or pain insensitivity? Surprisingly, clinical exam did not reveal aphasia[1]. We should

It is not comprehensible why the index patient received steroids and intravenous immunoglobulins simultaneously. A possible therapeutic effect cannot be attributed to either of the two if they are given in common.

3930

Because the cerebral lesions do not explain the bulbar symptoms, CMT1X should be considered as causative.

Overall, the interesting study has limitations that call the results and their interpretation into question. Clarifying these weaknesses would strengthen the conclusions and could improve the study. Symmetric DWI hyperintensities in CMT1X patients after SARS-CoV-2 vaccination should not be classified as SLLs.

FOOTNOTES

Author contributions: Finsterer J was responsible for everything.

Conflict-of-interest statement: There are no conflicts of interest to report.

Open-Access: This article is an open-access article that was selected by an in-house editor and fully peer-reviewed by external reviewers. It is distributed in accordance with the Creative Commons Attribution NonCommercial (CC BY-NC 4.0) license, which permits others to distribute, remix, adapt, build upon this work non-commercially, and license their derivative works on different terms, provided the original work is properly cited and the use is noncommercial. See: https://creativecommons.org/Licenses/by-nc/4.0/

Country/Territory of origin: Austria

ORCID number: Josef Finsterer 0000-0003-2839-7305.

S-Editor: Ma YI L-Editor: A P-Editor: Fan JR

REFERENCES

- Zhang Q, Wang Y, Bai RT, Lian BR, Zhang Y, Cao LM. X-linked Charcot-Marie-Tooth disease after SARS-CoV-2 vaccination mimicked stroke-like episodes: A case report. World J Clin Cases 2023; 11: 464-471 [PMID: 36686343 DOI: 10.12998/wjcc.v11.i2.464]
- Finsterer J. Mitochondrial metabolic stroke: Phenotype and genetics of stroke-like episodes. J Neurol Sci 2019; 400: 135-141 [PMID: 30946993 DOI: 10.1016/j.jns.2019.03.021]
- Finsterer J, Aliyev R. Metabolic stroke or stroke-like lesion: Peculiarities of a phenomenon. J Neurol Sci 2020; 412: 116726 [PMID: 32088469 DOI: 10.1016/j.jns.2020.116726]
- Finsterer J. Characteristics of stroke-like lesions on cerebral imaging. *Ideggyogy Sz* 2023; 76: 5-10 [PMID: 36892301 DOI: 10.18071/isz.76.00051
- Li J, Zhang W, Cui Z, Li Z, Jiang T, Meng H. Epilepsy Associated With Mitochondrial Encephalomyopathy, Lactic Acidosis, and Stroke-Like Episodes. Front Neurol 2021; 12: 675816 [PMID: 34177782 DOI: 10.3389/fneur.2021.675816]
- Ohara H, Shimizu H, Kasamatsu T, Kajita A, Uno K, Lai KW, Vellingiri B, Sugie K, Kinoshita M. Cytotoxic lesions of the corpus callosum after COVID-19 vaccination. Neuroradiology 2022; 64: 2085-2089 [PMID: 35809100 DOI: 10.1007/s00234-022-03010-y]

3931



Published by Baishideng Publishing Group Inc

7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA

Telephone: +1-925-3991568

E-mail: bpgoffice@wjgnet.com

Help Desk: https://www.f6publishing.com/helpdesk

https://www.wjgnet.com

