

World Journal of *Clinical Cases*

World J Clin Cases 2023 November 6; 11(31): 7508-7740



Contents

Thrice Monthly Volume 11 Number 31 November 6, 2023

REVIEW

- 7508 Gut microbiome: New perspectives for type 2 diabetes prevention and treatment

Li SX, Guo Y

MINIREVIEWS

- 7521 Endoscopic management of benign biliary strictures: Looking for the best stent to place

Colombo M, Forcignanò E, Da Rio L, Spadaccini M, Andreozzi M, Giacchetto CM, Carrara S, Maselli R, Galtieri PA, Pellegatta G, Capogreco A, Massimi D, Khalaf K, Hassan C, Anderloni A, Repici A, Fugazza A

- 7530 Antibiotic resistance in patients with liver cirrhosis: Prevalence and current approach to tackle

Liakina V

ORIGINAL ARTICLE

Retrospective Study

- 7543 Analysis of risk factors for postoperative deep vein thrombosis after craniotomy and nomogram model construction

Su ZJ, Wang HR, Liu LQ, Li N, Hong XY

- 7553 Value of ultrasound and magnetic resonance imaging combined with tumor markers in the diagnosis of ovarian tumors

Yang Q, Zhang H, Ma PQ, Peng B, Yin GT, Zhang NN, Wang HB

- 7562 Measurement of combined flap thickness for reconstruction of decubitus ulcer using computed tomography

Kim EC, Park JD, Wee SY, Kim SY

- 7570 Does the advantage of transcutaneous oximetry measurements in diabetic foot ulcer apply equally to free flap reconstruction?

Lee DW, Hwang YS, Byeon JY, Kim JH, Choi HJ

Clinical Trials Study

- 7583 Effects of ulinastatin therapy in deep vein thrombosis prevention after brain tumor surgery: A single-center randomized controlled trial

Tao YN, Han Q, Jiao W, Yang LK, Wang F, Xue S, Shen M, Wang YH

Observational Study

- 7593 Network pharmacological and molecular docking study of the effect of Liu-Wei-Bu-Qi capsule on lung cancer

Yang Q, Li LY

- 7610** Efficacy of β_2 -adrenergic receptor agonist combined with corticosteroid in the treatment of children with cough variant asthma

Cao JY, Wang YC, Deng XX

Randomized Controlled Trial

- 7619** Protective effect of sevoflurane on lung function of elderly chronic obstructive pulmonary disease patients undergoing total hip arthroplasty

Yao Y, Zhang MS, Li YB, Zhang MZ

CASE REPORT

- 7629** Sunitinib-induced hyperammonemic encephalopathy in metastatic gastrointestinal stromal tumors: A case report

Hayakawa T, Funakoshi S, Hamamoto Y, Hirata K, Kanai T

- 7635** Simultaneous lateral and subxiphoid access methods for safe and accurate resection of a superior vena cava aneurysm: A case report

Kim SP, Son J

- 7640** Ultrafast power Doppler imaging for ischemic encephalopathy: A case report

Huang LJ, Jiao JF, He Q, Luo JW, Guo Y

- 7647** Intermittent spontaneous ovulation in patients with premature ovarian failure: Three case reports and review of literature

Zhang WY, Wang HB, Deng CY

- 7656** Sneddon's syndrome concurrent with cerebral venous sinus thrombosis: A case report

Heng Y, Tang YF, Zhang XW, Duan JF, Shi J, Luo Q

- 7663** Carcinosarcoma of the deep lobe of the parotid gland in the parapharyngeal region: A case report

Tang YY, Zhu GQ, Zheng ZJ, Yao LH, Wan ZX, Liang XH, Tang YL

- 7673** Malignant peripheral nerve sheath tumor with hemophilic syndrome and bone marrow fibrosis: A rare case report

Li H, Wang L, Wu YH, Chen G, Li HX, Fan LF, Gu M, Jiang CH

- 7680** Comparison of drug concentrations in blood and gastric lavage fluid before and after gastric lavage: A case report

Zhou Y, Tong JL, Peng AH, Xu SY

- 7684** Recurred forehead osteoma disseminated after previous osteoma excision: A case report

Lee DY, Lim S, Yoon JS, Eo S

- 7690** Renal pelvis sarcomatoid carcinoma with renal vein tumor thrombus: A case report and literature review

Guan HY, Wang J, Wang JX, Chen QH, Lu J, He L

- 7699** Ultrasonographic identification of lateral femoral cutaneous nerve anatomical variation in persistent meralgia paresthetica: A case report

Park HW, Ji KS, Kim JH, Kim LN, Ha KW

- 7706** Biliary hemorrhage caused by a malignant small round cell tumor in the common bile duct: A case report
Jin YL, Ruan YJ, Lu GR
- 7712** Successive development of ischemic malignant strokes in a patient with multiple fusiform aneurysms: A case report
Shin DS, Yeo DK, Choi EJ
- 7718** Isolated axillary tumor deposit consistent with primary breast carcinoma: A case report
Li T, Zhang WH, Liu J, Mao YL, Liu S
- 7724** Multiple inflammatory pseudotumor formation after craniopharyngioma resection *via* an extended nasal endoscopic approach: A case report
Wu H, Ding YW, Yan ZC, Wei M, Wang XD, Zhang HZ
- 7732** Huge Bartholin's cyst managed by primary marsupialization: A case report
Li HY, Ding DC

LETTER TO THE EDITOR

- 7738** Do not forget diet and exercise during Ramadan
Ilias I, Tselebis A

ABOUT COVER

Editorial Board Member of *World Journal of Clinical Cases*, How-Ran Guo, DSc, MD, MSc, Full Professor, Department of Environmental and Occupational Health, College of Medicine, National Cheng Kung University, Tainan 70428, Taiwan. hrguo@mail.ncku.edu.tw

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 *WJCC* 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, Reference Citation Analysis, China National Knowledge Infrastructure, China Science and Technology Journal Database, and Superstar Journals Database. The 2023 Edition of Journal Citation Reports® cites the 2022 impact factor (IF) for *WJCC* as 1.1; IF without journal self cites: 1.1; 5-year IF: 1.3; Journal Citation Indicator: 0.26; Ranking: 133 among 167 journals in medicine, general and internal; and Quartile category: Q4.

RESPONSIBLE EDITORS FOR THIS ISSUE

Production Editor: *Si Zhao*; Production Department Director: *Xiang Li*; Editorial Office Director: *Jin-Lei Wang*.

NAME OF JOURNAL

World Journal of Clinical Cases

ISSN

ISSN 2307-8960 (online)

LAUNCH DATE

April 16, 2013

FREQUENCY

Thrice Monthly

EDITORS-IN-CHIEF

Bao-Gan Peng, Salim Surani, Jerzy Tadeusz Chudek, George Kontogeorgos, Maurizio Serati

EDITORIAL BOARD MEMBERS

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

PUBLICATION DATE

November 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.wjgnet.com/bpg/gerinfo/208>

ARTICLE PROCESSING CHARGE

<https://www.wjgnet.com/bpg/gerinfo/242>

STEPS FOR SUBMITTING MANUSCRIPTS

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

ONLINE SUBMISSION

<https://www.f6publishing.com>



Do not forget diet and exercise during Ramadan

Ioannis Ilias, Athanasios Tselebis

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): B
Grade C (Good): 0
Grade D (Fair): 0
Grade E (Poor): 0

P-Reviewer: Shalaby MN, Egypt

Received: September 13, 2023

Peer-review started: September 13, 2023

First decision: September 19, 2023

Revised: September 19, 2023

Accepted: October 17, 2023

Article in press: October 17, 2023

Published online: November 6, 2023



Ioannis Ilias, Department of Endocrinology, Diabetes and Metabolism, "Elena Venizelou" Hospital, Athens GR-11521, Greece

Athanasios Tselebis, Department of Psychiatry, "Sotiria" General Chest Diseases Hospital, Athens GR-11527, Greece

Corresponding author: Ioannis Ilias, MD, PhD, Consultant Physician-Scientist, Department of Endocrinology, Diabetes and Metabolism, "Elena Venizelou" Hospital, No. 2 Elena Venizelou Square, Athens GR-11521, Greece. iiliasmd@yahoo.com

Abstract

We conducted an analysis of internet search trends spanning from January 2022 to June 2023 in the ten most populous Muslim countries. Our study focused on key terms, including the prominent GLP1 analog "ozempic™", as well as "diet", "exercise", and "diabetes". The findings revealed a substantial increase in searches for the GLP1 analog in eight countries. Concurrently, searches for "diet" and "exercise" predominantly exhibited a decline in nine and four countries, respectively. Notably, searches for "diabetes" displayed positive trends in only two countries. These patterns indicate a growing reliance on pharmaceutical interventions for managing diabetes and weight, often to the detriment of diet and exercise. Healthcare professionals and clinicians in Muslim countries should emphasize the importance of maintaining dietary and exercise regimens for patients with diabetes, even during the observance of Ramadan.

Key Words: Diet; Exercise; Diabetes; Internet; Ramadan

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

Core Tip: An analysis of internet searches in ten populous Muslim countries revealed a notable rise in searches for a popular GLP1 analog. Meanwhile, searches for "diet" and "exercise" were mostly declining. This trend implies a growing preference for pharmaceutical solutions over diet and exercise in the management of diabetes or obesity, suggesting the need for healthcare professionals in Muslim countries to emphasize the importance of diet and exercise, including during Ramadan.

Citation: Ilias I, Tselebis A. Do not forget diet and exercise during Ramadan. *World J Clin Cases* 2023; 11(31): 7738-7740

URL: <https://www.wjgnet.com/2307-8960/full/v11/i31/7738.htm>

DOI: <https://dx.doi.org/10.12998/wjcc.v11.i31.7738>

TO THE EDITOR

We read with interest the recent article by Ochani *et al*[1]. The authors emphasize the importance of incorporating diet and exercise into diabetes management, particularly during Ramadan. Additionally, they correctly endorse the use of GLP1 analogs, especially in individuals with diabetes who are taking sulfonylurea drugs and are at risk of hypoglycemia. In our own recent investigation[2], we observed a global decline in interest regarding diet and exercise, coinciding with a simultaneous increase in interest in GLP1 analogs, as evidenced by internet search trends.

To provide a more detailed explanation, we conducted an analysis of internet search trends using Google Trends™ (<https://trends.google.com/trends/>) covering the period from January 1, 2022, to June 30, 2023. Our focus was on data derived from the ten most densely populated Muslim countries, which represent roughly two-thirds of the global Muslim population (source: <https://worldpopulationreview.com/country-rankings/muslim-population-by-country>). Specifically, we examined search patterns related to the following keywords: "Ozempic"™ (recognized as the world's leading GLP1 analog[3]; produced by Novo Nordisk A/S, Bagsvaerd, Denmark), "diet," "exercise," and "diabetes." We confined our search to English-language terms, as our prior research indicated a substantial predominance of English-language searches over other languages[2].

Google Trends™ provides results in terms of Relative Search Volumes (RSVs), a metric employed by Google™ to signify the popularity or search interest in a given keyword or topic relative to the overall search volume on Google™ during a specific timeframe and in a specific location. RSVs offer a relative measure, showcasing how popular a particular search term is compared to all other searches conducted on Google during the same time and in the same place. RSVs are scaled from 0 to 100, with 100 signifying the peak popularity of a term within the selected time and location. It's crucial to note that Google Trends™ results are context-dependent, with RSV values subject to variation based on the chosen time frame (e.g., day, week, year) and the specified geographical location (e.g., country, state). To analyze the trends over time for the mentioned keyword parameters (measured in RSVs per week) in relation to time (measured in weeks), we applied a linear model separately for each country. For access to the study data, please refer to Zenodo (DOI: [10.5281/zenodo.8334806](https://doi.org/10.5281/zenodo.8334806)).

Throughout the study duration, we noted a surge in online searches for the GLP-1 analog across eight countries. Conversely, the trends for searches related to "diet" and "exercise" were predominantly negative, being observed in nine and four countries, respectively. Furthermore, internet searches for "diabetes" showed negative trends in four countries and positive trends in only two (Table 1).

Table 1 Correlations (r) over time for internet searches by country (shown only for $P < 0.05$)

	"Diet"	"Exercise"	"Ozempic"™	"Diabetes"
Indonesia	-0.42	-0.29	+0.54	--
Pakistan	-0.40	--	+0.70	-0.15
India	-0.39	-0.34	--	+0.24
Bangladesh	-0.39	-0.33	+0.27	-0.26
Nigeria	-0.26	--	+0.81	+0.25
Egypt	--	--	+0.35	--
Iran	-0.47	-0.42	+0.37	-0.33
Turkey	-0.39	--	+0.84	--
Algeria	-0.37	--	+0.40	--
Sudan	-0.22	--	--	-0.23

These observations appear to indicate a pattern of overlooking crucial elements of a healthy lifestyle, notably diet and exercise, in favor of leaning on pharmaceutical solutions for managing diabetes and weight. Consequently, the global decline in interest in diet and exercise, coupled with the rising interest in GLP1 analogs, is evidently mirrored in Muslim countries as well.

In summary, we strongly advocate that clinicians and healthcare professionals in Muslim nations emphasize the significance of diet and exercise to individuals with diabetes, with no exceptions even during the observance of Ramadan.

FOOTNOTES

Author contributions: Ilias I and Tselebis A designed this research work; Ilias I and Tselebis A performed the research; Ilias I and Tselebis A analyzed the data; Ilias I and Tselebis A wrote the paper.

Conflict-of-interest statement: All the authors declare that they have no conflict of interest.

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 non-commercial. See: <https://creativecommons.org/licenses/by-nc/4.0/>

Country/Territory of origin: Greece

ORCID number: Ioannis Ilias 0000-0001-5718-7441; Athanasios Tselebis 0000-0002-2591-965X.

S-Editor: Qu XL

L-Editor: A

P-Editor: Qu XL

REFERENCES

- 1 **Ochani RK**, Shaikh A, Batra S, Pikale G, Surani S. Diabetes among Muslims during Ramadan: A narrative review. *World J Clin Cases* 2023; **11**: 6031-6039 [PMID: 37731557 DOI: 10.12998/wjcc.v11.i26.6031]
- 2 **Tselebis A**, Ilias I. Further Research on Internet Searches for On- and Off-Label Use of Weight-Loss Medications. *Aesthet Surg J* 2023 [PMID: 37562032 DOI: 10.1093/asj/sjad258]
- 3 **Wainer D**. Stocks That Lose As We Lose Weight. Wall Street Journal. Aug 19, 2023. Available from: <https://www.wsj.com/health/healthcare/ozempic-mounjaro-wegovy-eli-lilly-novo-nordisk-stock-87d9d1d6>



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>

