

# World Journal of *Clinical Cases*

*World J Clin Cases* 2022 April 26; 10(12): 3639-3968



## Contents

Thrice Monthly Volume 10 Number 12 April 26, 2022

## EVIDENCE REVIEW

- 3639 Tilt and decentration with various intraocular lenses: A narrative review  
*Chen XY, Wang YC, Zhao TY, Wang ZZ, Wang W*

## REVIEW

- 3647 Role of zonula occludens in gastrointestinal and liver cancers  
*Ram AK, Vairappan B*

## MINIREVIEWS

- 3662 Pathophysiological mechanisms of hepatic stellate cells activation in liver fibrosis  
*Garbuzenko DV*

## ORIGINAL ARTICLE

## Retrospective Cohort Study

- 3677 Predictors of unfavorable outcome at 90 days in basilar artery occlusion patients  
*Chiu YC, Yang JL, Wang WC, Huang HY, Chen WL, Yen PS, Tseng YL, Chen HH, Tsai ST*

## Retrospective Study

- 3686 Role of multidetector computed tomography in patients with acute infectious colitis  
*Yu SJ, Heo JH, Choi EJ, Kim JH, Lee HS, Kim SY, Lim JH*
- 3698 Efficacy and prognostic factors of neoadjuvant chemotherapy for triple-negative breast cancer  
*Ding F, Chen RY, Hou J, Guo J, Dong TY*
- 3709 Relationship between subgroups of central and lateral lymph node metastasis in clinically node-negative papillary thyroid carcinoma  
*Zhou J, Li DX, Gao H, Su XL*
- 3720 Nomogram to predict postoperative complications in elderly with total hip replacement  
*Tan XJ, Gu XX, Ge FM, Li ZY, Zhang LQ*
- 3729 Flap failure prediction in microvascular tissue reconstruction using machine learning algorithms  
*Shi YC, Li J, Li SJ, Li ZP, Zhang HJ, Wu ZY, Wu ZY*
- Observational Study**
- 3739 Surgery in platinum-resistant recurrent epithelial ovarian carcinoma  
*Zhao LQ, Gao W, Zhang P, Zhang YL, Fang CY, Shou HF*

- 3754** Anorectal dysfunction in patients with mid-low rectal cancer after surgery: A pilot study with three-dimensional high-resolution manometry

*Pi YN, Xiao Y, Wang ZF, Lin GL, Qiu HZ, Fang XC*

#### Randomized Controlled Trial

- 3764** Effect of wrist-ankle acupuncture on propofol dosage during painless colonoscopy: A randomized controlled prospective study

*He T, Liu C, Lu ZX, Kong LL, Li Y, Xu Z, Dong YJ, Hao W*

#### META-ANALYSIS

- 3773** Melatonin intervention to prevent delirium in hospitalized patients: A meta-analysis

*You W, Fan XY, Lei C, Nie CC, Chen Y, Wang XL*

- 3787** Risk factors for hospital readmissions in pneumonia patients: A systematic review and meta-analysis

*Fang YY, Ni JC, Wang Y, Yu JH, Fu LL*

#### CASE REPORT

- 3801** Anti-programmed death 1 antibody in the treatment of coexistent *Mycobacterium fortuitum* and lung cancer: A case report

*Zhang CC, Chen P*

- 3808** Acute pancreatitis-induced thrombotic thrombocytopenic purpura: A case report

*Wang CH, Jin HF, Liu WG, Guo Y, Liu Z*

- 3814** Successful management of life-threatening aortoesophageal fistula: A case report and review of the literature

*Zhong XQ, Li GX*

- 3822** Isolated coagulopathy without classic CRAB symptoms as the initial manifestation of multiple myeloma: A case report

*Zhang Y, Xu F, Wen JJ, Shi L, Zhou QL*

- 3828** Evaluation of intracoronary function after reduction of ventricular rate by esmolol in severe stenotic myocardial bridge: A case report

*Sun LJ, Yan DG, Huang SW*

- 3834** Pediatric living donor liver transplantation using liver allograft after *ex vivo* backtable resection of hemangioma: A case report

*Li SX, Tang HN, Lv GY, Chen X*

- 3842** Kimura's disease in soft palate with clinical and histopathological presentation: A case report

*Li W*

- 3849** Combined targeted therapy and immunotherapy in anaplastic thyroid carcinoma with distant metastasis: A case report

*Ma DX, Ding XP, Zhang C, Shi P*

- 3856** Successful multimodality treatment of metastatic gallbladder cancer: A case report and review of literature  
*Zhang B, Li S, Liu ZY, Peiris KGK, Song LF, Liu MC, Luo P, Shang D, Bi W*
- 3866** Ischemic colitis after receiving the second dose of a COVID-19 inactivated vaccine: A case report  
*Cui MH, Hou XL, Liu JY*
- 3872** Cryoballoon pulmonary vein isolation and left atrial appendage occlusion prior to atrial septal defect closure: A case report  
*Wu YC, Wang MX, Chen GC, Ruan ZB, Zhang QQ*
- 3879** Surgical treatment for a combined anterior cruciate ligament and posterior cruciate ligament avulsion fracture: A case report  
*Yoshida K, Hakozaki M, Kobayashi H, Kimura M, Konno S*
- 3886** Successful robot-assisted partial nephrectomy for giant renal hilum angiomyolipoma through the retroperitoneal approach: A case report  
*Luo SH, Zeng QS, Chen JX, Huang B, Wang ZR, Li WJ, Yang Y, Chen LW*
- 3893** Cryptococcal antigen testing of lung tissue homogenate improves pulmonary cryptococcosis diagnosis: Two case reports  
*Wang WY, Zheng YL, Jiang LB*
- 3899** Combined use of extracorporeal membrane oxygenation with interventional surgery for acute pancreatitis with pulmonary embolism: A case report  
*Yan LL, Jin XX, Yan XD, Peng JB, Li ZY, He BL*
- 3907** Dynamic navigation system-guided trans-inferior alveolar nerve implant placement in the atrophic posterior mandible: A case report  
*Chen LW, Zhao XE, Yan Q, Xia HB, Sun Q*
- 3916** Anti-glomerular basement membrane disease with IgA nephropathy: A case report  
*Guo C, Ye M, Li S, Zhu TT, Rao XR*
- 3923** Amniotic membrane transplantation in a patient with impending perforated corneal ulcer caused by *Streptococcus mitis*: A case report and review of literature  
*Hsiao FC, Meir YJJ, Yeh LK, Tan HY, Hsiao CH, Ma DHK, Wu WC, Chen HC*
- 3930** Steriod for Autoimmune pancreatitis complicating by gastric varices: A case report  
*Hao NB, Li X, Hu WW, Zhang D, Xie J, Wang XL, Li CZ*
- 3936** Antithrombotic treatment strategy for patients with coronary artery ectasia and acute myocardial infarction: A case report  
*Liu RF, Gao XY, Liang SW, Zhao HQ*
- 3944** Mesh plug erosion into the small intestine after inguinal hernia repair: A case report  
*Xie TH, Wang Q, Ha SN, Cheng SJ, Niu Z, Ren XX, Sun Q, Jin XS*
- 3951** Recurrence of infectious mononucleosis in adults after remission for 3 years: A case report  
*Zhang XY, Teng QB*

- 3959** Vertical direction impaction of kissing molars: A case report

*Wen C, Jiang R, Zhang ZQ, Lei B, Yan YZ, Zhong YQ, Tang L*

### **LETTER TO THE EDITOR**

- 3966** Comment on “Outcomes of different minimally invasive surgical treatments for vertebral compression fractures: An observational study”

*Ma L, Luo ZW, Sun YY*

**ABOUT COVER**

Editorial Board Member of *World Journal of Clinical Cases*, Potluri Leela Ravishankar, MDS, Professor, Department of Periodontics, SRM Kattankulathur Dental College and Hospital, SRM University, Chennai 603203, Tamil Nadu, India. plrs6@yahoo.com

**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 indexed in Science Citation Index Expanded (also known as SciSearch®), Journal Citation Reports/Science Edition, Scopus, PubMed, and PubMed Central. The 2021 Edition of Journal Citation Reports® cites the 2020 impact factor (IF) for WJCC as 1.337; IF without journal self cites: 1.301; 5-year IF: 1.742; Journal Citation Indicator: 0.33; Ranking: 119 among 169 journals in medicine, general and internal; and Quartile category: Q3. The WJCC's CiteScore for 2020 is 0.8 and Scopus CiteScore rank 2020: General Medicine is 493/793.

**RESPONSIBLE EDITORS FOR THIS ISSUE**

Production Editor: *Ying-Yi Yuan*, Production Department Director: *Xu Guo*, 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, Jerzy Tadeusz Chudek, George Kontogeorgos, Maurizio Serati, Ja Hyeon Ku

**EDITORIAL BOARD MEMBERS**

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

**PUBLICATION DATE**

April 26, 2022

**COPYRIGHT**

© 2022 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>



## Comment on “Outcomes of different minimally invasive surgical treatments for vertebral compression fractures: An observational study”

Long Ma, Zhi-Wen Luo, Ya-Ying Sun

**Specialty type:** Orthopedics

**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): D  
Grade E (Poor): 0

**P-Reviewer:** Bhattacharya S,  
Razzaque MS

**Received:** November 29, 2021

**Peer-review started:** November 29, 2021

**First decision:** January 22, 2022

**Revised:** February 3, 2022

**Accepted:** March 16, 2022

**Article in press:** March 16, 2022

**Published online:** April 26, 2022



**Long Ma**, Department of Orthopedics, The First People's Hospital of Pindingshan City, Pingdingshan 467000, Henan Province, China

**Zhi-Wen Luo, Ya-Ying Sun**, Department of Sports Medicine, Huashan Hospital, Fudan University, Shanghai 200040, China

**Corresponding author:** Ya-Ying Sun, MD, PhD, Doctor, Research Scientist, Department of Sports Medicine, Huashan Hospital, Fudan University, No. 12 Middle Wulumuqi Road, Jing'an District, Shanghai 200040, China. [sunyaying100@126.com](mailto:sunyaying100@126.com)

### Abstract

Recently we read the article entitled “Outcomes of different minimally invasive surgical treatments for vertebral compression fractures: An observational study”. This was an observational study that reviewed the safety and efficacy of different cement augmentation modalities for vertebral compression fractures under osteoporotic condition. Overall, this is a valuable study that can provide a reference for clinical practice. On the other hand, we also noticed some points in the article and are willing to share our views. Further studies with a higher level of evidence can add more knowledge regarding relevant concerns.

**Key Words:** Vertebral compression fractures; Osteoporosis; Study design; Observational study; Randomize

©The Author(s) 2022. Published by Baishideng Publishing Group Inc. All rights reserved.

**Core Tip:** Recently we read the article entitled “Outcomes of different minimally invasive surgical treatments for vertebral compression fractures: An observational study” with pleasure. We noticed some points in the article and are willing to share our views. Further studies with a higher level of evidence can add more knowledge regarding relevant concerns.

**Citation:** Ma L, Luo ZW, Sun YY. Comment on “Outcomes of different minimally invasive surgical treatments for vertebral compression fractures: An observational study”. *World J Clin Cases* 2022; 10(12): 3966-3968

**URL:** <https://www.wjgnet.com/2307-8960/full/v10/i12/3966.htm>

**DOI:** <https://dx.doi.org/10.12998/wjcc.v10.i12.3966>

## TO THE EDITOR

Recently we read the article entitled “Outcomes of different minimally invasive surgical treatments for vertebral compression fractures: An observational study” with pleasure. In this research, the authors retrospectively analyzed the postoperative safety and efficacy of five different cement augmentation modalities for vertebral compression fractures (VCFs) under osteoporotic condition[1]. The robustness of this article is a long follow-up period of 10 years and that all procedures were performed by a single surgeon. This research, with practical value, can serve as a reference for decision-making when dealing with osteoporotic patients with VCFs. On the other hand, we noticed some details that may further unveil interesting findings.

First, in this research, several items were not clarified, based on the Cochrane risk of bias analysis tool [2,3]. Authors claimed that this was a randomized clinical trial in the “Methods” section. However, according to the information revealed, no randomization method was described, let alone the allocation method and concealment blindness. Moreover, whether the evaluation was conducted by an independent physician unaware of the surgical details should be clearly stated. Apart from the fact that all procedures were performed by a single surgeon, these confounders above may also introduce uncertainty to the result.

Second, a piece of important but missing information is the osteoporosis-related data among patients in five groups. The duration, bone mineral density, and anti-osteoporotic therapies taken by patients pre- and post-operatively, were not delineated. Authors found that patients who received vertebroplasty had the highest cement leakage rate and adjacent compression fracture occurrence. However, since the risk of adjacent osteoporotic fracture can be high if patients fail to follow the standard anti-osteoporosis treatment after the surgery[4], one may ask whether patients of different groups have taken regular medication. Besides, considering the advancements of anti-osteoporotic agents and strategies in recent years[5], which type of treatment was provided to a patient, and what was the influence of various anti-osteoporosis treatments on post-operative pain, kyphotic angle reduction, body height restoration, or adjacent compression fractures need to be investigated. That is, subgroup analysis may identify a cost-effectively suitable anti-osteoporosis medication for these patients.

Finally, whether vertebroplasty was still valuable to be analyzed is questioned. According to two studies published in the New England Journal of Medicine in 2009, vertebroplasty did not alleviate significantly pain intensity as compared to the sham surgery at 1 wk or at 1, 3, or 6 mo post-operatively, or modified Roland-Morris Disability Questionnaire at 1 mo post-operatively[6,7]. Although the follow-up of the two papers did not reach 1 year, these two reports could serve as the wind vane for surgeons in making options. Therefore, the information regarding the time when operation was performed may also be of reference value to readers.

Taken together, this observational study provided a valuable basis for making treatment options against osteoporotic VCFs. Based on the information disclosed in this literature and studies electronically available together, further well-designed prospective clinical trials are needed to compare the difference of these surgical procedures with an adjustment on the demographical data and concomitant medications both pre-operatively and post-operatively.

## FOOTNOTES

**Author contributions:** All authors have read and approved the final manuscript.

**Conflict-of-interest statement:** None.

**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:** China

**ORCID number:** Long Ma 0000-0003-3674-854X; Zhi-Wen Luo 0000-0002-0524-9951; Ya-Ying Sun 0000-0001-5457-6046.



**S-Editor:** Zhang H

**L-Editor:** Wang TQ

**P-Editor:** Zhang H

---

## REFERENCES

---

- 1 **Yeh KL**, Wu SH, Liaw CK, Hou SM, Wu SS. Outcomes of different minimally invasive surgical treatments for vertebral compression fractures: An observational study. *World J Clin Cases* 2021; **9**: 9509-9519 [PMID: [34877285](#) DOI: [10.12998/wjcc.v9.i31.9509](#)]
- 2 **Higgins JP**, Altman DG, Gøtzsche PC, Jüni P, Moher D, Oxman AD, Savovic J, Schulz KF, Weeks L, Sterne JA; Cochrane Bias Methods Group; Cochrane Statistical Methods Group. The Cochrane Collaboration's tool for assessing risk of bias in randomised trials. *BMJ* 2011; **343**: d5928 [PMID: [22008217](#) DOI: [10.1136/bmj.d5928](#)]
- 3 **Sun Y**, Chen J, Li H, Jiang J, Chen S. Steroid Injection and Nonsteroidal Anti-inflammatory Agents for Shoulder Pain: A PRISMA Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Medicine (Baltimore)* 2015; **94**: e2216 [PMID: [26683932](#) DOI: [10.1097/MD.0000000000002216](#)]
- 4 **Zeng LF**, Pan BQ, Liang GH, Luo MH, Cao Y, Guo D, Chen HY, Pan JK, Huang HT, Liu Q, Guan ZT, Han YH, Zhao D, Zhao JL, Hou SR, Wu M, Lin JT, Li JH, Liang WX, Ou AH, Wang Q, Yang WY, Liu J. Does Routine Anti-Osteoporosis Medication Lower the Risk of Fractures in Male Subjects? *Front Pharmacol* 2019; **10**: 882 [PMID: [31447677](#) DOI: [10.3389/fphar.2019.00882](#)]
- 5 **Migliorini F**, Maffulli N, Colarossi G, Eschweiler J, Tingart M, Betsch M. Effect of drugs on bone mineral density in postmenopausal osteoporosis: a Bayesian network meta-analysis. *J Orthop Surg Res* 2021; **16**: 533 [PMID: [34452621](#) DOI: [10.1186/s13018-021-02678-x](#)]
- 6 **Kallmes DF**, Comstock BA, Heagerty PJ, Turner JA, Wilson DJ, Diamond TH, Edwards R, Gray LA, Stout L, Owen S, Hollingworth W, Ghdoke B, Annesley-Williams DJ, Ralston SH, Jarvik JG. A randomized trial of vertebroplasty for osteoporotic spinal fractures. *N Engl J Med* 2009; **361**: 569-579 [PMID: [19657122](#) DOI: [10.1056/NEJMoa0900563](#)]
- 7 **Buchbinder R**, Osborne RH, Ebeling PR, Wark JD, Mitchell P, Wriedt C, Graves S, Staples MP, Murphy B. A randomized trial of vertebroplasty for painful osteoporotic vertebral fractures. *N Engl J Med* 2009; **361**: 557-568 [PMID: [19657121](#) DOI: [10.1056/NEJMoa0900429](#)]



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](mailto:bpgoffice@wjgnet.com)

**Help Desk:** <https://www.f6publishing.com/helpdesk>

<https://www.wjgnet.com>

