

# World Journal of *Clinical Cases*

*World J Clin Cases* 2023 October 26; 11(30): 7261-7507



**MINIREVIEWS**

- 7261 Lower limb amputation rehabilitation status in India: A review  
*Swarnakar R, Yadav SL, Surendran D*
- 7268 Magnetic resonance imaging for acute pancreatitis in type 2 diabetes patients  
*Ni YH, Song LJ, Xiao B*

**ORIGINAL ARTICLE****Retrospective Study**

- 7277 Efficacy of lidocaine wet compress combined with red-light irradiation for chronic wounds  
*Bao MZ, Zhou LB, Zhao L, Zhang H, Li Y, Yang L, Tai AT*
- 7284 Clinical implications of forkhead box M1, cyclooxygenase-2, and glucose-regulated protein 78 in breast invasive ductal carcinoma  
*Bai J, Li Y, Cai L*
- 7294 Six-year analysis of key monitoring for bacterial strain distribution and antibiotic sensitivity in a hospital  
*Li ZY, Yang D, Hao CH*
- 7302 Clinical pharmacists' involvement in carbapenem antibiotics management at Wenzhou Integrated Hospital  
*Xu XM, Pan CY, Zeng DL*

**Observational Study**

- 7309 High risk for obstructive sleep apnea and risk of hypertension in military personnel: The CHIEF sleep study  
*Liu WN, Lin KH, Tsai KZ, Chu CC, Chang YC, Kwon Y, Lin GM*

**EVIDENCE-BASED MEDICINE**

- 7318 Causal relationship association of cheese intake with gestational hypertension and diabetes result from a Mendelian randomization study  
*Zhong T, Huang YQ, Wang GM*

**META-ANALYSIS**

- 7329 Left lateral decubitus sleeping position is associated with improved gastroesophageal reflux disease symptoms: A systematic review and meta-analysis  
*Simadibrata DM, Lesmana E, Amangku BR, Wardoyo MP, Simadibrata M*
- 7337 Efficacy and safety of anti-vascular endothelial growth factor agents on corneal neovascularization: A meta-analysis  
*Lai SC, Loh EW, Chiou DI, Hong CT*

- 7350 Efficacy and safety of different anti-osteoporotic drugs for the spinal fusion surgery: A network meta-analysis

*He XY, Chen HX, Zhao ZR*

### SCIENTOMETRICS

- 7363 Construction of clinical research nurse training program based on position competence

*Sun J, Shan WC, Liu JM, Zhang QQ, Ye Y, Huang ST, Zhong K*

### CASE REPORT

- 7372 Fatal hemophagocytic lymphohistiocytosis-induced multiorgan dysfunction secondary to *Burkholderia pseudomallei* sepsis: A case report

*Sui MZ, Wan KC, Chen YL, Li HL, Wang SS, Chen ZF*

- 7380 Interpeduncular cistern intrathecal targeted drug delivery for intractable postherpetic neuralgia: A case report

*Fu F, Jiang XF, Wang JJ, Gong L, Yun C, Sun HT, Tang FW*

- 7386 Using shape-memory alloy staples to treat comminuted manubrium sterni fractures: A case report

*Zhang M, Jiang W, Wang ZX, Zhou ZM*

- 7393 Lead helix winding tricuspid chordae tendineae: A case report

*Liu TF, Ding CH*

- 7398 Fournier gangrene in an infant, complicated with severe sepsis and liver dysfunction: A case report

*Bakalli I, Heta S, Kola E, Celaj E*

- 7403 Prenatal ultrasound diagnosis of congenital infantile fibrosarcoma and congenital hemangioma: Three case reports

*Liang RN, Jiang J, Zhang J, Liu X, Ma MY, Liu QL, Ma L, Zhou L, Wang Y, Wang J, Zhou Q, Yu SS*

- 7413 Iatrogenic bladder neck rupture due to traumatic urethral catheterization: A case report

*Ekici O, Keskin E, Kocoglu F, Bozkurt AS*

- 7418 Near obstructing painful anorectal mass and facial rash in a man with monkeypox: A case report

*Akpoigbe K, Yannick J, Culpepper-Morgan J*

- 7424 Traditional Chinese medicine for foot pain in a patient with complex regional pain syndrome: A case report

*Shin WC, Kim H, Chung WS*

- 7432 Diffuse large B-cell lymphoma successfully treated with amplified natural killer therapy alone: A case report

*Nagai K, Nagai S, Okubo Y, Teshigawara K*

- 7440 Pharmacogenomics-based individualized treatment of hypertension in preterm infants: A case report and review of the literature

*Tang LF, Xu A, Liu K*

- 7450 Warthin-like papillary renal cell carcinoma: A case report  
*Li XF, Wang ZJ, Zhang HM, Yang MQ*
- 7457 Bladder stone due to late clip migration after prostatic urethral lift procedure: A case report  
*Bozkurt AS, Ekici O, Keskin E, Kocoglu F*
- 7463 Acute-on-chronic liver failure induced by antiviral therapy for chronic hepatitis C: A case report  
*Zhong JL, Zhao LW, Chen YH, Luo YW*
- 7469 Hemodynamic instability following intravenous dexmedetomidine infusion for sedation under brachial plexus block: Two case reports  
*Kim YS, Lee C, Oh J, Nam S, Doo AR*
- 7475 Neonatal methicillin-resistant *Staphylococcus aureus* pneumonia-related recurrent fatal pyopneumothorax: A case report and review of literature  
*Li XC, Sun L, Li T*
- 7485 Infrequent organ involvement in immunoglobulin G4-related prostate disease: A case report  
*Yu Y, Wang QQ, Jian L, Yang DC*
- 7492 Gouty tenosynovitis with compartment syndrome in the hand: A case report  
*Lee DY, Eo S, Lim S, Yoon JS*
- 7497 Acute myocardial infarction after initially diagnosed with unprovoked venous thromboembolism: A case report  
*Seo J, Lee J, Shin YH, Jang AY, Suh SY*
- 7502 Distal clavicle fractures treated by anteroinferior plating with a single screw: Two case reports  
*Zhao XL, Liu YQ, Wang JG, Liu YC, Zhou JX, Wang BY, Zhang YJ*

**ABOUT COVER**

Editorial Board Member of *World Journal of Clinical Cases*, Ravindra Shukla, MBBS, MD, Additional Professor, Department of Endocrinology and Metabolism, All India Institute of Medical Sciences, Jodhpur 342001, Rajasthan, India. ravindrashukla2@rediffmail.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 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: Zi-Hang Xu, 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, Salim Surani, Jerzy Tadeusz Chudek, George Kontogorgos, Maurizio Serati, Ja Hyeon Ku

**EDITORIAL BOARD MEMBERS**

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

**PUBLICATION DATE**

October 26, 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>



## Gouty tenosynovitis with compartment syndrome in the hand: A case report

Dong Yun Lee, SuRak Eo, SooA Lim, Jung Soo Yoon

**Specialty type:** Surgery

**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

Grade D (Fair): D

Grade E (Poor): 0

**P-Reviewer:** Jatuworapruk K, Thailand

**Received:** August 4, 2023

**Peer-review started:** August 4, 2023

**First decision:** September 19, 2023

**Revised:** October 6, 2023

**Accepted:** October 16, 2023

**Article in press:** October 16, 2023

**Published online:** October 26, 2023



**Dong Yun Lee, SuRak Eo, SooA Lim, Jung Soo Yoon**, Department of Plastic and Reconstructive Surgery, DongGuk University Medical Center, GoYang 10326, South Korea

**Corresponding author:** Jung Soo Yoon, MD, PhD, Doctor, Professor, Surgeon, Department of Plastic and Reconstructive Surgery, DongGuk University Medical Center, 27, Dongguk-ro, Ilsandong-gu, GoYang 10326, South Korea. [crsboys@naver.com](mailto:crsboys@naver.com)

### Abstract

#### BACKGROUND

Gout is a common type of inflammatory arthritis caused by the deposition of monosodium urate crystals in the joints and surrounding tissues. It typically appears with abrupt and intense pain, redness, and swelling in the affected joint. It frequently targets the lower extremities, such as the big toe. However, rarely, gout can manifest in atypical locations, including the hands, leading to an uncommon presentation known as gouty tenosynovitis. However, it can result in significant morbidity owing to the potential for severe complications, such as myonecrosis and compartment syndrome.

#### CASE SUMMARY

An 82-year-old male patient with a history of hypertension, cerebral infarction, Parkinson's disease, and recurrent gout attacks sought medical attention because of progressive pain and swelling in the right hand. Imaging findings revealed forearm swelling, raising concerns of possible tenosynovitis, bursitis, septic arthritis, and compartment syndrome. A fasciotomy was performed to decompress the patient's hands and forearms. The procedure revealed diffuse tenosynovitis, tophi with a pus-like discharge surrounding the carpal tunnel, and involvement of the flexor and extensor tendon sheaths. However, microbiological investigations, including Gram staining, acid-fast bacilli, tuberculosis, and non-tuberculous mycobacteria, yielded negative results. The patient was ultimately diagnosed with a severe gouty attack with compartment syndrome and myonecrosis. Septic arthritis and infectious flexor tenosynovitis were ruled out. Serial debridement and inflammation control were initiated, followed by staged closure with a skin graft.

#### CONCLUSION

Septic-like complications can occur in the absence of infection in severe gout attacks with pus-like discharges due to compartment syndrome and myonecrosis. Cultures can be used to differentiate between gout attacks, septic arthritis, and

infectious tenosynovitis. Involvement of the flexor and extensor muscles, as in this case, is rare. This study contributes to the literature by reporting a rare case of successful fasciotomy and serial debridement in an elderly patient with multiple comorbidities.

**Key Words:** Compartment syndrome; Extensor compartment; Gout; Tenosynovitis; Case report

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

**Core Tip:** This study reports three novel findings, which may contribute to the existing literature. First, there was an uncommon lesion in an area that was different from the usual site of a gout attack. Second, the gout attack was severe enough to cause compartment syndrome. Third, it was a very rare case involving the flexor and extensor tendons. The successful management of elderly patients highlights the importance of prompt recognition, interdisciplinary collaboration, and tailored treatment strategies for optimal patient outcomes.

**Citation:** Lee DY, Eo S, Lim S, Yoon JS. Gouty tenosynovitis with compartment syndrome in the hand: A case report. *World J Clin Cases* 2023; 11(30): 7492-7496

**URL:** <https://www.wjgnet.com/2307-8960/full/v11/i30/7492.htm>

**DOI:** <https://dx.doi.org/10.12998/wjcc.v11.i30.7492>

## INTRODUCTION

Gout is a systemic inflammatory disorder characterized by the deposition of monosodium urate crystals in the joints and soft tissues, leading to recurrent acute arthritis attacks. The accumulation of urate crystals in tissues triggers a significant inflammatory reaction that can potentially lead to severe complications, such as acute septic arthritis or compartment syndrome. In well-established tophi, a granulomatous-like pattern characterized by histiocytic and foreign-body giant cell responses surrounds the deposited crystals, whereas acute gout attacks manifest as neutrophil exudates. Tophi may also form in the ligaments, muscles, and tendons, posing the risk of inducing injuries, such as myonecrosis or tendon rupture over time[1]. Although it commonly affects the lower extremities, atypical presentations, including gouty tenosynovitis of the hands, may occur. Gout manifestations in the upper extremities are less common and include subcutaneous tophi, arthritis, tenosynovitis, and nerve entrapment[1-5].

This report describes the challenging case of an elderly male patient with a history of multiple comorbidities who presented with severe swelling, erythema, and excruciating pain in the right hand, and was ultimately diagnosed with gouty tenosynovitis complicated by myonecrosis and compartment syndrome.

## CASE PRESENTATION

### Chief complaints

An 82-year-old male patient with a medical history of hypertension, cerebral infarction, Parkinson's disease, and recurrent gout attacks presented to the hospital with a chief complaint of a swollen and painful right hand.

### History of present illness

Gout diagnosis in the patient was confirmed at the Rheumatology Department 4 years ago, and was characterized by the presence of positive monosodium urate and elevated serum uric levels.

### History of past illness

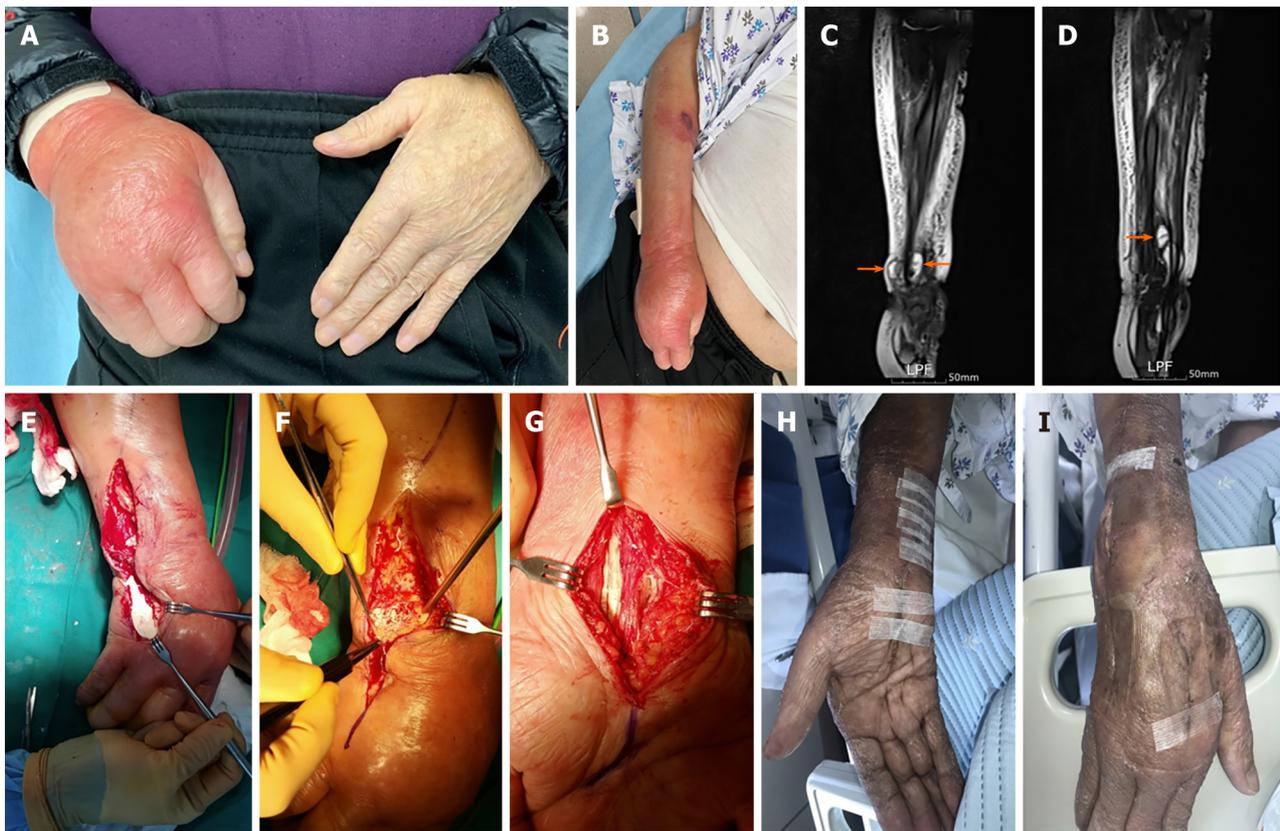
Furthermore, the patient had a documented history of three separate gout attacks, specifically involving the right great toe. His hand symptoms progressively worsened over the past 4 d and were extremely tender, even to the slightest touch.

### Personal and family history

The patient denied a recent history of hand trauma.

### Physical examination

Physical examination revealed marked erythema and swelling of the right hand (Figure 1A and B). His systemic blood pressure/diastolic blood pressure decreased to 90/60 mmHg and the heart rate increased to 138 beats/min. He presented with a fever of 38.1°C.



DOI: 10.12998/wjcc.v11.i30.7492 Copyright ©The Author(s) 2023.

**Figure 1** Gouty tenosynovitis with compartment syndrome in the hand of a 82-year-old male. A and B: Preoperative view at emergency room compared with normal left hand; C and D: Preoperative Sagittal T2-weighted magnetic resonance imaging findings demonstrate tenosynovitis of the flexor digitorum tendons and ulnar bursa with hypertrophied synovium (orange arrowheads); E and F: The extensor tendon sheath, particularly the ulnar head joint space, was found to be involved and tophi with milk-like synovial fluid was drained; G: Intraoperatively, diffuse tenosynovitis surrounding the flexor tendons and the presence of tophi with a milk-like pus-like appearance around the carpal tunnel were observed; H: Volar view at 6 wk postoperatively; I: Dorsal view at 6 wk postoperatively. The wound recovered without any surgical complications.

### Laboratory examinations

Laboratory investigations revealed elevated C-reactive protein (CRP) (26.97 mg/L) levels and white blood cell (WBC) count (14020 cells/ $\mu$ L). Considering the patient's septic condition, the presence of systemic inflammatory response syndrome was deemed plausible.

### Imaging examinations

Moreover, magnetic resonance imaging (MRI) of the hand and forearm revealed findings indicative of extensive subcutaneous swelling involving the hand and forearm, suggesting cellulitis and tenosynovitis affecting the flexor and extensor tendons of the wrist, with synovial fluid of the flexor digitorum tendons extending to the ulnar bursa at the distal forearm (Figure 1C). Enhanced synovial proliferation was also observed, implying ulnocarpal joint arthritis with concurrent bursitis (Figure 1D). There were concerns regarding septic arthritis involving the ulnocarpal joints.

## FINAL DIAGNOSIS

The patient underwent urgent compartment fasciotomy because of clinically diagnosed compartment syndrome, indicated by tense volar compartments, reduced sensation in all fingers, reduced capillary refill, and severe pain with passive finger stretching.

## TREATMENT

Incisions were made along the forearm, carpal tunnel, and palmar crease. Intraoperatively, diffuse tenosynovitis surrounding the flexor tendons and tophi with a milk-like pus-like appearance around the carpal tunnel were observed (Figure 1E and F). Additionally, the extensor tendon compartment of the dorsum of the hand and ulnocarpal joint space were found to be involved. A hand dorsal fasciotomy incision extending to the ulnar joint and the distal forearm was

made for drainage (similar to a flexor incision) (Figure 1G). Intravenous administration of a first-generation cephalosporin (cefazedone, 2 g) was initiated immediately following primary fasciotomy. Microbiological investigations, including cultures for acid-fast bacilli, tuberculosis, and non-tuberculous mycobacteria, yielded negative results. Culture specimens were collected before the commencement of empirical antibiotic treatment. Empirical antibiotics were administered for 10 d at 12-h intervals and were discontinued promptly upon confirmation of negative culture results, with suspicion of gout tenosynovitis. Additionally, another surgical debridement was performed within a 1-wk interval, and further cultures of the same types were obtained. Again, the results were negative. Pathological examination of the bone and soft tissues confirmed the presence of inflammatory fibrinoids and necrotic exudates.

The patient was ultimately diagnosed with severe gouty attack with compartment syndrome and myonecrosis, but septic arthritis or infectious flexor tenosynovitis was ruled out. Following the initial surgery, serial debridement was performed, and medications, including colchicine and nonsteroidal anti-inflammatory drugs (NSAIDs), were administered to control inflammation and gout. Staged closure with a skin graft was performed to promote wound healing and optimize functional outcomes.

## OUTCOME AND FOLLOW-UP

The wound was fully closed during the 3<sup>rd</sup> postoperative week following primary fasciotomy. The patient was successfully discharged after recovery in the 6<sup>th</sup> postoperative week (Figure 1H and I).

## DISCUSSION

Gout is a well-known inflammatory arthritis that primarily affects joints, commonly the big toes. However, it can also manifest with atypical presentations, such as gouty tenosynovitis of the hand. The deposition of monosodium urate crystals within the flexor tendons and synovial sheaths triggers an acute inflammatory response, resulting in swelling, redness, and severe pain in the affected hand[2-4]. Previous studies have emphasized that recognizing gouty tenosynovitis of the hand is vital for early intervention, as a delayed diagnosis can lead to severe complications, as observed in our case[3].

Gouty tenosynovitis of the hand can present a diagnostic challenge because its clinical features may overlap with those of infective flexor tenosynovitis or septic arthritis[4]. Although both conditions share signs of inflammation and pain, certain distinctive characteristics can aid in diagnosis. Laboratory investigations, including the measurement of the serum uric acid levels, CRP levels, and WBC counts, play a pivotal role in providing valuable insights. Elevated serum uric acid levels are indicative of gout, whereas the CRP levels and WBC counts can help gauge the severity of inflammation. Additionally, advanced imaging modalities, particularly MRI, offer valuable information by identifying the hallmark features of gouty tenosynovitis, such as the presence of tophi[1,2].

Moreover, it is important to acknowledge that gout attacks are occasionally accompanied by septic arthritis[5]. In multivariate analysis, patients with gout were found to be 2.6 times more likely to be diagnosed with septic arthritis than controls. The knee joint is the most commonly affected site in adults, followed by the hips, ankles, elbows, wrists, and shoulders. Synovial fluid analysis, particularly a WBC count > 50000 cells/mL, indicates septic arthritis. To rule out concomitant septic arthritis, patients with gout should undergo fluid aspiration for Gram staining and bacterial culture. Notably, Gram staining has varying sensitivities, ranging from 29% to 50%. Hence, high clinical suspicion and diligent follow-up are imperative in cases where gout and infective tenosynovitis coexist[4,5]. Notably, as a limitation of this study, the absence of monosodium urate crystals in the biopsy of the bone and soft tissue from the patient's hand indicates the possibility of concurrent gout-related inflammation and bacterial infections. Consequently, the potential for coinfection with atypical bacteria cannot be definitively ruled out. Our case underscores the importance of conducting a comprehensive assessment to exclude infectious etiologies and establish a conclusive diagnosis.

Medication is typically used as the primary approach for the initial treatment of gouty tenosynovitis. However, in specific situations, such as uncontrolled inflammation, severe cases, or cases accompanied by secondary bacterial infection, surgical management, such as aggressive debridement or fasciotomy, decompresses the affected hand and forearm. In our case, the patient developed compartment syndrome, a life-threatening condition characterized by increased pressure within anatomical compartments, leading to compromised blood flow and nerve function. Timely recognition of compartment syndrome and emergency fasciotomy play critical roles in preventing irreversible tissue damage and preserving hand function[5-7].

In addition to surgical management, medical treatment is essential for the treatment of gouty tenosynovitis. NSAIDs and colchicine are commonly used to control pain and inflammation during acute attacks[8-10]. Additionally, pharmacological agents, such as corticosteroids, may be considered to manage severe inflammation. In elderly patients with multiple comorbidities, careful consideration of drug interactions and potential adverse effects is necessary during treatment planning[10].

Another unusual aspect of this case was that the gout attack involved both the flexor and extensor muscles, which is uncommon in gout attacks involving only the flexor tendon. It is commonly associated with articular, synovial, nerve, and renal depositions. Flexor tendon tenosynovitis is a rare manifestation of gout and has recently been described in a case series of three relatively older men with a 7-30-year history of gout. To our knowledge, this is the first reported case of severe gout involving both flexor and extensor tenosynovitis.

## CONCLUSION

This study reports three novel findings, which may contribute to the existing literature. First, there was an uncommon lesion in an area that was different from the usual site of a gout attack. Second, the gout attack was severe enough to cause compartment syndrome. Third, it was a very rare case involving the flexor and extensor tendons. The successful management of elderly patients highlights the importance of prompt recognition, interdisciplinary collaboration, and tailored treatment strategies for optimal patient outcomes.

## FOOTNOTES

**Author contributions:** Lee DY, Eo SR, Lim SA and Yoon JS designed the clinical case report; Lee DY, Eo SR and Yoon JS analyzed the data and wrote the manuscript; All authors have read and approved the final manuscript.

**Informed consent statement:** This study was approved by the Institutional Review Board (IRB) of the Clinical Research Coordinating Center (Samsung Medical Center, Seoul, Republic of Korea). This study was conducted in accordance with the Declaration of Helsinki, as revised in 2013. The primary version of the consent form signed by the patient is attached as a separate file. Consent for participation and publication was obtained from the patient.

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

**CARE Checklist (2016) statement:** The authors have read the CARE Checklist (2016), and the manuscript was prepared and revised according to the CARE Checklist (2016).

**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:** South Korea

**ORCID number:** Dong Yun Lee 0000-0002-5323-6469; SuRak Eo 0000-0002-4221-2613; SooA Lim 0000-0003-3845-780X; Jung Soo Yoon 0000-0003-2462-5702.

**S-Editor:** Liu JH

**L-Editor:** A

**P-Editor:** Yu HG

## REFERENCES

- 1 Moore JR, Weiland AJ. Gouty tenosynovitis in the hand. *J Hand Surg Am* 1985; **10**: 291-295 [PMID: 3980949 DOI: 10.1016/s0363-5023(85)80127-1]
- 2 Fairhurst RJ, Schwartz AM, Rozmaryn LM. Gouty Tenosynovitis of the Distal Biceps Tendon Insertion Complicated by Partial Rupture: First Case and Review of the Literature. *Hand (N Y)* 2017; **12**: NP1-NP5 [PMID: 28082853 DOI: 10.1177/1558944715627639]
- 3 Tzanis P, Klavdianou K, Lazarini A, Theotikos E, Balanika A, Fanouriakis A, Elezoglou A. Septic Arthritis Complicating a Gout Flare: Report of Two Cases and Review of the Literature. *Mediterr J Rheumatol* 2022; **33**: 75-80 [PMID: 35611099 DOI: 10.31138/mjr.33.1.75]
- 4 Yu KH, Luo SF, Liou LB, Wu YJ, Tsai WP, Chen JY, Ho HH. Concomitant septic and gouty arthritis--an analysis of 30 cases. *Rheumatology (Oxford)* 2003; **42**: 1062-1066 [PMID: 12730521 DOI: 10.1093/rheumatology/keg297]
- 5 Skedros JG, Smith JS, Henrie MK, Finlinson ED, Trachtenberg JD. Upper Extremity Compartment Syndrome in a Patient with Acute Gout Attack but without Trauma or Other Typical Causes. *Case Rep Orthop* 2018; **2018**: 3204714 [PMID: 29796328 DOI: 10.1155/2018/3204714]
- 6 Akram Q, Hughes M, Muir L. Coexistent digital gouty and infective flexor tenosynovitis. *BMJ Case Rep* 2016; **2016** [PMID: 27358092 DOI: 10.1136/bcr-2015-213601]
- 7 Cochrane E, Sandler RD, Dargan D, Hughes M, Caddick J. Gout Presenting as Acute Flexor Tenosynovitis Mimicking Infection. *J Clin Rheumatol* 2021; **27**: e236-e237 [PMID: 32345844 DOI: 10.1097/RHU.0000000000001396]
- 8 Meyer Zu Reckendorf G, Dahmam A. Hand involvement in gout. *Hand Surg Rehabil* 2018 [PMID: 29779840 DOI: 10.1016/j.hansur.2018.02.005]
- 9 Pirker IFJ, Rein P, von Kempis J. Important differential diagnosis in acute tenosynovitis. *BMJ Case Rep* 2019; **12** [PMID: 30635314 DOI: 10.1136/bcr-2018-228373]
- 10 Holbrook HS, Calandrucio JH. Management of Gout in the Hand and Wrist. *Orthop Clin North Am* 2023; **54**: 299-308 [PMID: 37271558 DOI: 10.1016/j.ocl.2023.02.003]



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>

