## Contents

### MINIREVIEWS

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>8808</td>
<td>Ear, nose, and throat manifestations of COVID-19 and its vaccines</td>
<td>Al-Ani RM</td>
</tr>
<tr>
<td>8816</td>
<td>Potential influences of religiosity and religious coping strategies on people with diabetes</td>
<td>Onyishi CN, Eseadi C, Ilechukwu LC, Okoro KN, Okolie CN, Egbule E, Asogwa E</td>
</tr>
</tbody>
</table>

### ORIGINAL ARTICLE

#### Case Control Study

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
</table>

#### Retrospective Study

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>8844</td>
<td>Indocyanine green plasma clearance rate and 99mTc-galactosyl human serum albumin single-photon emission computed tomography evaluated preoperative remnant liver</td>
<td>Iwaki K, Kathara S, Kita R, Kitamura K, Hashida H, Uryuhara K</td>
</tr>
<tr>
<td>8863</td>
<td>Evaluation of the prognostic nutritional index for the prognosis of Chinese patients with high/extremely high-risk prostate cancer after radical prostatectomy</td>
<td>Yang F, Pan M, Nie J, Xiao F, Zhang Y</td>
</tr>
</tbody>
</table>

#### Observational Study

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>8872</td>
<td>Chlorine poisoning caused by improper mixing of household disinfectants during the COVID-19 pandemic: Case series</td>
<td>Lin GD, Wu JY, Peng XB, Lu XX, Liu ZY, Pan ZG, Qiu ZW, Dong JG</td>
</tr>
</tbody>
</table>
## Prospective Study

8893  
Arthroscopic anatomical reconstruction of lateral collateral ligaments with ligament advanced reinforcement system artificial ligament for chronic ankle instability  
*Wang Y, Zhu JX*

## SYSTEMATIC REVIEWS

8906  
How to select the quantitative magnetic resonance technique for subjects with fatty liver: A systematic review  
*Li YW, Jiao Y, Chen N, Gao Q, Chen YK, Zhang YF, Wen QP, Zhang ZM*

8922  
Lymphocytic choriomeningitis virus: An under-recognized congenital teratogen  
*Ferenc T, Vujica M, Mezljak A, Vilbic-Cavlek T*

## CASE REPORT

8932  
Alagille syndrome associated with total anomalous pulmonary venous connection and severe xanthomas: A case report  

8939  
Colo-colonic intussusception with post-polypectomy electrocoagulation syndrome: A case report  
*Moon JY, Lee MR, Yun SK, Ha GW*

8945  
Portal vein gas combined with pneumatisis intestinalis and emphysematous cystitis: A case report and literature review  
*Hu SF, Liu HB, Hao YY*

8954  
Quadricuspid aortic valve and right ventricular type of myocardial bridging in an asymptomatic middle-aged woman: A case report  
*Sopec Merkaš I, Lakušić N, Paar MH*

8962  
Treatment of gastric carcinoma with lymphoid stroma by immunotherapy: A case report  
*Cui YJ, Ren YY, Zhang HZ*

8968  
Gallstone associated celiac trunk thromboembolisms complicated with splenic infarction: A case report  
*Wu CY, Su CC, Huang HH, Wang YT, Wang CC*

8974  
Extracorporeal membrane oxygenation for lung cancer-related life-threatening hypoxia: A case report  
*Yoo SS, Lee SY, Choi SH*

8980  
Multi-disciplinary treatment of maxillofacial skeletal deformities by orthognathic surgery combined with periodontal phenotype modification: A case report  
*Liu JY, Li GF, Tang Y, Yan FH, Tan BC*

8990  
X-linked recessive Kallmann syndrome: A case report  
*Zhang P, Fu JY*

8998  
Delayed complications of intradural cement leakage after percutaneous vertebroplasty: A case report  
*Ma QH, Liu GP, Sun Q, Li JG*
### Contents

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
</table>
| 9004 | Coexistent Kaposi sarcoma and post-transplant lymphoproliferative disorder in the same lymph nodes after pediatric liver transplantation: A case report  
| 9012 | Misdiagnosis of pancreatic metastasis from renal cell carcinoma: A case report  
Liang XK, Li J, He YM, Xu ZF |
| 9020 | Discoid medial meniscus of both knees: A case report  
Zheng ZR, Ma H, Yang F, Yuan L, Wang GD, Zhao XW, Ma LF |
| 9028 | Simultaneous laparoscopic and arthroscopic excision of a huge juxta-articular ganglionic cyst compressing the sciatic nerve: A case report  
Choi WK, Oh JS, Yoon SJ |
| 9036 | One-stage revision arthroplasty in a patient with ochronotic arthropathy accompanied by joint infection: A case report  
Wang XC, Zhang XM, Cai WL, Li Z, Ma C, Liu YH, He QL, Yan TS, Cao XW |
| 9044 | Bladder paraganglioma after kidney transplantation: A case report  
Wang L, Zhang YN, Chen GY |
| 9050 | Total spinal anesthesia caused by lidocaine during unilateral percutaneous vertebroplasty performed under local anesthesia: A case report  
Wang YF, Bian ZY, Li XX, Hu YX, Jiang L |
| 9057 | Ruptured splenic artery aneurysms in pregnancy and usefulness of endovascular treatment in selective patients: A case report and review of literature  
Lee SH, Yang S, Park I, Im YC, Kim GY |
| 9064 | Gastrointestinal metastasis secondary to invasive lobular carcinoma of the breast: A case report  
Li LX, Zhang D, Ma F |
| 9071 | Post-bulbar duodenal ulcer with anterior perforation with kissing ulcer and duodenocaval fistula: A case report and review of literature  
Alzerwi N |
| 9078 | Modified orthodontic treatment of substitution of canines by first premolars: A case report  
Li FF, Li M, Li M, Yang X |
| 9087 | Renal cell carcinoma presented with a rare case of icteric Stauffer syndrome: A case report  
Popov DR, Antonov KA, Atanasova EG, Pentchev CP, Milatchkov LM, Petkova MD, Neykov KG, Nikolov RK |
| 9096 | Successful resection of a huge retroperitoneal venous hemangioma: A case report  
Qin Y, Qiao P, Guan X, Zeng S, Hu XP, Wang B |
| 9104 | Malignant transformation of biliary adenofibroma combined with benign lymphadenopathy mimicking advanced liver carcinoma: A case report  
## Contents

**World Journal of Clinical Cases**

Thrice Monthly Volume 10 Number 25 September 6, 2022

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>9112</td>
<td>Congenital hepatic cyst: Eleven case reports</td>
<td>Du CX, Lu CG, Li W, Tang WB</td>
</tr>
<tr>
<td>9121</td>
<td>Endovascular treatment of a ruptured pseudoaneurysm of the internal carotid artery in a patient with nasopharyngeal cancer: A case report</td>
<td>Park JS, Jang HG</td>
</tr>
<tr>
<td>9127</td>
<td>Varicella-zoster virus meningitis after spinal anesthesia: A case report</td>
<td>Lee YW, Yoo B, Lim YH</td>
</tr>
<tr>
<td>9132</td>
<td>Chondrosarcoma of the toe: A case report and literature review</td>
<td>Zhou LB, Zhang HC, Dong ZG, Wang CC</td>
</tr>
<tr>
<td>9142</td>
<td>Tamsulosin-induced life-threatening hypotension in a patient with spinal cord injury: A case report</td>
<td>Lee JY, Lee HS, Park SB, Lee KH</td>
</tr>
<tr>
<td>9148</td>
<td>CCNO mutation as a cause of primary ciliary dyskinesia: A case report</td>
<td>Zhang YY, Lou Y, Yan H, Tang H</td>
</tr>
<tr>
<td>9156</td>
<td>Repeated bacteremia and hepatic cyst infection lasting 3 years following pancreatoduodenectomy: A case report</td>
<td>Zhang K, Zhang HL, Guo JQ, Tu CY, Lv XL, Zhu JD</td>
</tr>
<tr>
<td>9162</td>
<td>Idiopathic cholesterol crystal embolism with atheroembolic renal disease and blue toes syndrome: A case report</td>
<td>Cheng DJ, Li L, Zheng XY, Tang SF</td>
</tr>
<tr>
<td>9168</td>
<td>Systemic lupus erythematosus with visceral varicella: A case report</td>
<td>Zhao J, Tian M</td>
</tr>
</tbody>
</table>

**LETTER TO THE EDITOR**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>9176</td>
<td>Imaging of fibroadenoma: Be careful with imaging follow-up</td>
<td>Ece B, Aydin S</td>
</tr>
</tbody>
</table>
ABOUT COVER
Editorial Board Member of World Journal of Clinical Cases, Mohsen Khosravi, MD, Assistant Professor, Department of Psychiatry and Clinical Psychology, Zahedan University of Medical Sciences, Zahedan 9819713955, Iran. m.khosravi@zaums.ac.ir

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, 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: Xu Guo; Production Department Director: Xiang Lu; Editorial Office Director: Jin-Lei Wang.
Simultaneous laparoscopic and arthroscopic excision of a huge juxta-articular ganglionic cyst compressing the sciatic nerve: A case report

Won-Ku Choi, Jong-Sung Oh, Sun-Jung Yoon

**Abstract**

**BACKGROUND**

A large ganglionic cyst extending from the hip joint to the intrapelvic cavity through the sciatic notch is a rare space-occupying lesion associated with compressive lower-extremity neuropathy. A cyst in the pelvic cavity compressing the intrapelvic-sciatic nerve is easily missed in the diagnostic process because it usually presents as atypical symptoms of an extraperitoneal-intrapelvic tumor. We present a case of a huge ganglionic cyst that was successfully excised laparoscopically and endoscopically by a gynecologist and an orthopedic surgeon.

**CASE SUMMARY**

A 52-year-old woman visited our hospital complaining of pain and numbness in her left buttock while sitting. The pain began 3 years ago and worsened, while the numbness in the left lower extremity lasted 1 mo. She was diagnosed and unsuccessfully treated at several tertiary referral centers many years ago. Magnetic resonance imaging revealed a suspected paralabral cyst (5 cm × 5 cm × 4.6 cm) in the left hip joint, extending to the pelvic cavity through the greater sciatic notch. The CA-125 and CA19-9 tumor marker levels were within normal limits. However, the cyst was compressing the sciatic nerve. Accordingly, endoscopic and laparoscopic neural decompression and mass excision were performed simultaneously. A laparoscopic examination revealed a tennis-ba...
sized cyst filled with gelatinous liquid, stretching deep into the hip joint. An excisional biopsy performed in the pelvic cavity and deep gluteal space confirmed the accumulation of ganglionic cysts from the hip joint into the extrapelvic intraperitoneal cavity.

CONCLUSION
Intra- or extra-sciatic nerve-compressing lesion should be considered in cases of sitting pain radiating down the ipsilateral lower extremity. This large juxta-articular ganglionic cyst was successfully treated simultaneously using laparoscopy and arthroscopy.

Key Words: Paralabral cyst; Ganglion cyst; Intrapelvic sciatic nerve compression syndrome; Deep gluteal syndrome; Hip joint; Laparoscopy; Case report

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

Core Tip: A huge juxta-articular ganglionic cyst originating from the hip joint, passing through the sciatic notch, and growing in the intrapelvic cavity is likely to exhibit sciatic nerve compression symptoms. The authors report a case in which laparoscopy and arthroscopy were performed simultaneously to treat the ganglionic cyst.

INTRODUCTION
Ganglion cyst is the most common type of mass lesion around the hip joint[1]. However, a large ganglionic cyst extending from the hip joint to the intrapelvic cavity through the sciatic notch is a rare cystic form associated with buttock pain in musculoskeletal disorders[2-3].

Sciatica secondary to intrapelvic cystic lesions is rare. A cystic lesion in the pelvic cavity compressing the intrapelvic portion of the sciatic nerve is easily misdiagnosed because it usually presents with atypical symptoms associated with ipsilateral lower-extremity pain. As interest in sciatic nerve compression or entrapment such as deep gluteal syndrome has increased, so has research on intra- and extra-sciatic nerve compressive neuropathy[4-7].

Here, we present the case of a 52-year-old woman with sciatica caused by a large ganglion cyst that was treated collaboratively by an orthopedic surgeon and gynecologist using simultaneous endoscopic and laparoscopic approaches. To our knowledge, this is the first report of concomitant removal of a huge ganglion cyst extending the hip joint to the pelvic cavity using laparoscopy and arthroscopy.

CASE PRESENTATION

Chief complaints
A 52-year-old woman visited our clinic complaining of pain in the left hip and numbness in the lower extremity of the ipsilateral side when sitting or walking.

History of present illness
The left pelvic and posterior hip pain began 3 years prior and worsened, while the radiating pain to the entire ipsilateral lower extremity increased in intensity over 3 mo.

History of past illness
She was previously diagnosed with a paraovarian cyst and was continuously followed up in the gynecologic department at a tertiary referral hospital. However, her symptoms did not improve, despite various conservative treatments. She was, therefore, referred to another obstetrics and gynecology department of another tertiary university hospital for operative treatment.

Diagnostic pelviscopy and laparoscopic adnexectomy were performed. However, no specific findings that could cause pain in the female organs were observed during the former procedure; hence, the operation was terminated. She was told that the current symptoms were not seemingly related to gynecologic problems, so she visited our orthopedic surgery department.
Personal and family history
The patient had no significant medical history. No specific genetic diseases were found in the family history.

Physical examination
A bimanual pelvic examination revealed a fixed mass measuring 5 cm × 5 cm × 4 cm that was adherent to the left pelvic wall. An orthopedic physical examination revealed severe tenderness of the left buttock. She complained about being unable to sit for 5 minutes because of intense pain and tenderness in the area. She did not, however, experience any sensations.

Laboratory examinations
Serum tumor markers levels were normal (cancer antigen 125, 11.7 U/mL; cancer antigen 19-9, 30 U/mL). No abnormalities was found in the routine blood and urine analyses.

Imaging examinations
Magnetic resonance imaging (MRI) revealed a huge paralabral cyst 5 cm × 5 cm × 4.6 cm stretched to the greater sciatic notch from the left hip joint (Figure 1). However, the cyst was located close to the sciatic nerve and adhered to the piriformis muscle’s intrapelvic portion. Following her admission, she was referred to our hospital’s gynecology and neurology departments to ensure a multidisciplinary approach.

Further diagnostic work-up
We decided to consult the neurology department for the electromyography and nerve conduction studies. The study revealed a mild left sciatic nerve lesion, and the physician recommended a clinical correlation. Accordingly, a laparoscopic examination revealed a tennis ball-sized cystic mass filled with gelatinous liquid stretching deep into the hips, with internal and external iliac vessels. The mass was located below the obturator nerve in the left retroperitoneal space. The mass contained yellowish, sticky, and gelatinous components and was firmly adherent to the surrounding tissues.

FINAL DIAGNOSIS
The mass was ultimately diagnosed as a juxatarticular ganglionic cyst originating from the hip joint passing through the sciatic notch and growing in the intrapelvic cavity.

TREATMENT
Diagnostic laparoscopy combined with arthroscopy was performed to decompress the sciatic nerve from the intrapelvic cavity to the extrapelvic deep gluteal space. Incomplete decompression of only one space leads to symptomatic relief. The ganglionic materials were aspirated, the cyst was decompressed, and the cyst capsule was excised for histological examination. A tennis ball-sized cystic lesion with yellowish-thick gelatinous fluid was densely adherent to the adjacent nerve (Figure 2).

Laparoscopic findings revealed no visible intraperitoneal cysts. However, cystic bulging was observed in the left ovarian fossa. We opened a broad ligament to approach the retroperitoneal space and identified a tennis ball-sized cystic mass below the obturator nerve. We identified the boundary of the cystic mass by excising the surrounding connective tissue and found that it was densely adherent to the sciatic nerve below the cyst.

Frozen biopsy was performed intraoperatively to confirm the presence of a ganglionic cyst (Figure 3). Postoperative pathology confirmed the diagnosis of the ganglionic cyst. Diagnostic arthroscopy and endoscopic sciatic nerve decompression were simultaneously performed. A large ganglionic cyst was observed between the greater sciatic notch and the acetabular posterior wall near the left sciatic nerve. The cystic lesion mildly compressed the sciatic nerve. However, its continuity was intact (Figure 4).

OUTCOME AND FOLLOW-UP
The patient’s sitting pain and numbness improved immediately after the surgery. Postoperative MRI also showed that the cyst was nearly completely resected, but mild edematous changes persisted owing to chronic compression (Figure 5). Long-term follow-up observations showed persistent pain relief and neurological recovery.
Choi W-K et al. Extra-and intra- pelvic ganglionic cyst compressing the sciatic nerve

**DISCUSSION**

In this study, as levels of both cancer markers CA 125 and CA 19-9 were within the normal range, we were able to outweigh the possibility of adnexal or ovarian malignancy. We performed two cancer marker tests in this study: CA 125 and 19-9. CA 125 is the most commonly used serum biomarker for epithelial ovarian cancer (EOC) for monitoring treatment response in patients with known EOC. It is also used alone or in combination with other serum biomarkers and/or intra-pelvic ultrasound to evaluate an adnexal mass. A mucin protein that is usually used to monitor treatment response of pancreatic cancer, gallbladder cancer, cholangiocarcinoma, or ampulla of Vater cancer, CA 19-9 is used additionally in ovarian cancer management and might be elevated in the adnexal tumor.

A ganglion cyst is typically found near large joints, including the hip, shoulder, and knee. Only a few reports have described the compression of neurovascular structures caused by pelvic cavity cysts, with the hip joint being less commonly affected than the others[8].
Figure 3 Histologic findings. A: Microscopic examination showing cystically dilated fibrous tissues (hematoxylin and eosin stain, original magnification: × 40); B: The cyst wall is composed of fibroblasts, and the true epithelial lining is lacking (hematoxylin and eosin stain, original magnification: × 100).

Figure 4 Extrapelvic - Diagnostic arthroscopy and endoscopic sciatic nerve decompression. A: Fibrovascular networks (Bird’s nest) adhered the sciatic nerve; B: Ganglionic mass compressed the sciatic nerve; C: Cystic portion was aspirated using a long spinal needle; D: Sciatic nerve was decompressed by aspiration of mass.

Elevated intra-articular pressure is required in the hip joint to force synovial fluid into the acetabulum or surrounding soft tissue, which can cause a paralabral ganglion cyst[3,10]. The initial chief complaint of this patient with hypesthesia in the left buttock and numbness in the left lower limb, suggestive of sciatica was the first impression. This case emphasizes that the presentation of symptoms attributable to peripheral neuropathy should raise the suspicion of another cause of these symptoms.

As the cyst grew larger 2 years prior, progressively compressing the sciatic nerve, the patient’s symptoms became more intense. The patient visited the gynecology department of another hospital but was told she did not have a gynecologic cause. She then visited other local orthopedic clinics and was given a probable diagnosis through MRI. She was referred to the gynecological department of our hospital for treatment by an orthopedic surgeon, gynecologist, or general surgeon.

Ultrasonography-guided cyst aspiration can help manage the mass effect of the cyst. However, considering the risk of incomplete evacuation and recurrence, Pachore et al[11] suggested that this should be considered only in patients who underwent minimally invasive procedures and refused any...
surgical intervention. Given the high rate of recurrence rate after conservative treatment, complete excision is recommended to eliminate the possibility of recurrence[12].

Hip arthroscopy revealed that, the proximity was close to the sciatic notch during sciatic nerve decompression in the deep gluteal space. In addition, if the operation time for arthroscopic sciatic nerve decompression is prolonged, abdominal compartment syndrome may occur because of fluid extravasation. Therefore, simultaneous laparoscopic decompression was required for the intrapelvic ganglionic cyst in this patient, justifying the combined approach.

Orthopedic surgeons and gynecologists believe that surgical cyst resection is necessary. Therefore, complete excision of the cystic mass and neurolysis of the sciatic nerve were performed laparoscopically by a gynecologist and arthroscopically by an orthopedic surgeon. Diagnostic pelviscopy and laparoscopy-assisted cyst resection were performed by a gynecologist who was familiar with the intrapelvic laparoscopic anatomy. An orthopedic surgeon performed extrapelvic cyst removal, including sciatic nerve decompression, via translabral arthroscopy. This cooperation provided good results, and the prognosis was also good for the patient.

Chronic pelvic pain is defined as non-cyclic pelvic pain that persists for 6 mo[13]. Its causes are extensive, including urogenital, gastrointestinal, neuromusculoskeletal, and psychosocial aetiologies, and may occur in combination. In patients with chronic pelvic pain accompanying hip pain, visceral pathologies such as uterine fibroids, ovarian tumors, endometriosis, or pelvic congestion syndrome should be differentiated using imaging tests. If no pelvic abnormalities are identified, accurate history-taking and physical examination, including examination of the pelvic floor musculature, can help diagnose the etiology. However, even if visceral pathology is identified, a neuromusculoskeletal etiology should not be excluded if the pattern of chronic pelvic pain does not match its course.

A space-occupying lesion leading to sciatic nerve compression should be considered as a potential etiology when a woman complains of unexplained sitting pain, especially pain that radiates to the ipsilateral lower extremity. The physician should suspect this type of disease if a patient has a gynecological history.

We reviewed two case reports on juxta-articular ganglion cysts in South Korea[13]. All patients experienced pain in the lower extremities, a common symptom of sciatica. Park et al[2] presented two patients with radiating pain in the ipsilateral lower leg. Lee et al[13] presented three patients with pain radiating to the posterior aspect of the lower limb, soreness, and foot numbness. In both studies, the researchers treated the patients with arthroscopic cyst resection. None of these cases included ganglion cysts that communicated between the intra- and extrapelvic cavities. The international etiology is well

Figure 5 Postoperative T2-weighted Magnetic resonance image. A: Magnetic resonance imaging finding shows that previously seen cystic mass is completely resected; B: Severely thickened left sciatic nerve is seen at right before greater sciatic foramen level and edematous change is accompanied around; C: Coronal view. Severe edema is around perifascicular fat which is covering nerve; D and E: Paralabral cyst. The cystic structure connected to hip joint with stalk stretch out to left ischial spine level. Yellow arrow indicates remnant cyst after excised multiple ganglionic masses in the deep gluteal space.
described in a case report by Lee et al[14].

CONCLUSION
The huge intra- and extrapelvic ganglion involving the lumbosacral trunk could be misdiagnosed as sciatica. When a physician encounters a patient with a gynecologic history who complains of buttock pain, ipsilateral lower limb numbness, or radiating pain, the high suspicion of a space-occupying lesion compressing the adjacent nerve is recommended. This huge juxta-articular ganglionic cyst was successfully treated simultaneously using laparoscopy and arthroscopy.

FOOTNOTES
Author contributions: Yoon SJ designed, performed the research, edited the manuscript and reviewed the literature; Oh JS, Yoon SJ and Choi WK wrote the manuscript; Choi WK revised the final manuscript; all authors -read and approved the final manuscript.

Informed consent statement: Written consent was obtained from the patient for publication of the study.

Conflict-of-interest statement: All authors declare no conflicts of interest.

CARE Checklist (2016) statement: All 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: Sun-Jung Yoon 0000-0003-3487-6863.

S-Editor: Wang LL
L-Editor: A
P-Editor: Wang LL

REFERENCES
Choi W-K et al. Extra-and intra-pelvic ganglionic cyst compressing the sciatic nerve


