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Retrospective Study

Retroperitoneal *vs* transperitoneal laparoscopic lithotripsy of 20-40 mm renal stones within horseshoe kidneys

Chen X *et al.* Retroperitoneal *vs* transperitoneal laparoscopic lithotripsy

Xin Chen, Yi Wang, Liang Gao, Jin Song, Jin-You Wang, Deng-Dian Wang, Jia-Xing Ma, Zhi-Qiang Zhang, Liang-Kuan Bi, Dong-Dong Xie, De-Xin Yu

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Laparoscopic pyelolithotomy in a horseshoe kidney

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Laparoscopic management of stone disease in a patient with a horseshoe kidney was firstly performed by Maheshwari et al in 2004. Though for renal stones measuring 2 cm or greater, PNL is a proper treatment alternative, in anomalous kidneys it can lead to serious complications.

Cited by: 4 Author: Erkan Ölçücüoğlu, Ahmet Çamtosun, Sait...

Publish Year: 2014

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The role of laparoscopic surgery for renal calculi management

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These were three of renal calculi including one in horseshoe kidney, one for a pelvic kidney and one for a large renal-pelvic calculus. The mean size of stone was 2280 mm² (range 540-8200 mm²). All cases were completed with laparoscopy.

Cited by: 11 Author: Kittinut Kijvikai

Publish Year: 2011

(PDF) Laparoscopic ureterolithotomy; which is better ...

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Objectives: To compare the outcome of **laparoscopic** pyelolithotomy (LP) using the **transperitoneal** and the **retroperitoneal** routes. Methods: Demographics, intraoperative and postoperative clinical p...

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Author: Adel Al-Hunayan, Hamdy Abdulhalim, E...

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Laparoscopic pyelolithotomy in a horseshoe kidney

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Laparoscopic pyelolithotomy: An emerging tool for complex ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4561920>

Nov 26, 2014 · **PNL** is considered the standard for **renal stones** of >2 cm , but some studies report the usefulness of LP in achieving SFRs of 88.9–100% for **solitary renal pelvic stones** in one session, especially when PNL is associated with multiple tracts and several sessions .

Cited by: 6

Author: Himesh Ramesh Gandhi, Appu Thomas,...

Publish Year: 2015

Stones in anomalous kidneys: Results of treatment by shock ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1442-2042.2004.00916.x>

Oct 12, 2004 · The final case was a 14-year-old boy with a **horseshoe kidney** and a 10 × 11 mm right pelvic **renal stone** and was **stone** free after one session. The mean shock wave number and intensity received by the patients was 3770 ± 380.3 (range, 1380–4100) shocks and 18.4 ± 0.7



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[Laparoscopic pyelolithotomy in a horseshoe kidney](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4548363>

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[Comparative study of laparoscopic pyelolithotomy versus ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3612403>

Recently, successful **laparoscopic** management of **renal stones** has been described; however, the indications have not yet been defined and outcomes have not been compared with established techniques, such as PNL. 17, 18. In the current study, LPL was evaluated as a surgical monotherapy to manage **renal pelvic stones** and compared with PNL.

Cited by: 12 **Author:** Yasser M. Haggag, Gamal A. Morsy, Mag...

Publish Year: 2013

[Retroperitoneal laparoscopic ureterolithotomy in ...](#)

<https://www.researchgate.net/publication/274263162...>

Retroperitoneal laparoscopic ureterolithotomy in comparison with ureteroscopic **lithotripsy** in the management of impacted upper ureteral **stones** larger than 12 mm

[\(PDF\) Retroperitoneal laparoscopic technique in treatment ...](#)

<https://www.researchgate.net/publication/260089686...>

The **retroperitoneal laparoscopic** procedures for treatment of complex **renal stones** were completely successful in 73 cases, while 2 cases converted to open surgery. The operative time was 85-190 min.