



Ryan R. Sun

Clinical Assistant Professor, Urology

CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine Urology**

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Bio

BIO

Dr. Sun is a board-eligible, fellowship-trained urologist specializing in general urology and endourology. He is a clinical assistant professor of urology at Stanford University School of Medicine. He graduated with Cum Laud from the University of Washington and obtained his medical degree from the University of Toronto. After completing his urology residency at the University of Manitoba, Dr. Sun completed further fellowship training in Endourology at Stanford University School of Medicine.

Dr. Sun speaks fluent Mandarin and sees patients with a wide spectrum of general urologic diseases of the kidneys, bladder, prostate, and genitalia, with a special focus in complex kidney stone disease and minimally invasive surgery. He has received multiple research awards and authored numerous peer-reviewed publications regarding kidney stone disease, oncology, education, imaging, voiding dysfunction, and gene therapy.

In his academic role, Dr. Sun is committed to providing compassionate care and developing innovative treatments to advance minimally invasive surgical techniques.

CLINICAL FOCUS

- Urology

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Urology

PROFESSIONAL EDUCATION

- Board Certification: Urology, Royal College of Physicians and Surgeons
- Fellowship: Stanford University Dept of Urology (2023) CA
- Residency: University of Manitoba Urology Residency (2022) Canada
- Medical Education: University of Toronto MD Program (2017) Canada

Publications

PUBLICATIONS

- **EFFICACY AND SAFETY OF A MAGNETIC HYDROGEL FOR STONE FRAGMENT REMOVAL: AN IN VITRO AND IN VIVO STUDY**
Roquero, D., Ge, T., Holton, G. H., Mach, K. E., Kornberg, Z., Sun, R., Conti, S., Wang, S. X., Liao, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2023: E819
- **Are there predictors of flexible ureteroscopic aptitude among novice trainees? objective assessment using simulation-based trainer** *WORLD JOURNAL OF UROLOGY*
Sun, R., Mohaghegh, M., Sidhom, K., Burton, L., Bansal, R., Patel, P.
2022; 40 (3): 823-829
- **Assessment of magnetic resonance imaging (MRI)-fusion prostate biopsy with concurrent standard systematic ultrasound-guided biopsy among men requiring repeat biopsy** *CUAJ-CANADIAN UROLOGICAL ASSOCIATION JOURNAL*
Sun, R., Fast, A., Kirkpatrick, I., Cho, P., Saranchuk, J.
2021; 15 (9): E495-E500
- **Influence of musical background on surgical skills acquisition** *SURGERY*
Sun, R. R., Wang, Y., Fast, A., Dutka, C., Cadogan, K., Burton, L., Kubay, C., Drachenberg, D.
2021; 170 (1): 75-80
- **Prognostic impact of paraneoplastic syndromes on patients with non-metastatic renal cell carcinoma undergoing surgery: Results from Canadian Kidney Cancer information system** *CUAJ-CANADIAN UROLOGICAL ASSOCIATION JOURNAL*
Sun, R., Breau, R. H., Mallick, R., Tanguay, S., Pouliot, F., Kapoor, A., Lavallee, L. T., Finelli, A., So, A., Rendon, R. A., Fairey, A. S., Lattouf, J., Kawakami, et al
2021; 15 (4): 132-137
- **Predicting patency after vasovasostomy and heterogeneity in defining success** *FERTILITY AND STERILITY*
Sun, R., Patel, P.
2020; 113 (4): 755
- **Changes in the PGC-1 alpha and mtDNA copy number may play a role in the development of pelvic organ prolapse in pre-menopausal patients** *TAIWANESE JOURNAL OF OBSTETRICS & GYNECOLOGY*
Sun, M., Cheng, Y., Liu, C., Sun, R.
2019; 58 (4): 526-530
- **The effect of time from biopsy to radical prostatectomy on adverse pathologic outcomes** *RESEARCH AND REPORTS IN UROLOGY*
Patel, P., Sun, R., Shiff, B., Trpkov, K., Gotto, G.
2019; 11: 53-60
- **Ultrasound-Mediated Gene Therapy in Swine Livers Using Single-Element, Multi-lensed, High-Intensity Ultrasound Transducers** *MOLECULAR THERAPY-METHODS & CLINICAL DEVELOPMENT*
Noble-Vranish, M. L., Song, S., Morrison, K. P., Tran, D. M., Sun, R. R., Loeb, K. R., Keilman, G. W., Miao, C. H.
2018; 10: 179-188
- **Is single incision midurethral sling effective in patients with low maximal urethral closure pressure?** *TAIWANESE JOURNAL OF OBSTETRICS & GYNECOLOGY*
Sun, M., Sun, R., Tseng, S.
2016; 55 (1): 20-25
- **Changes in mitochondrial DNA copy number and extracellular matrix (ECM) proteins in the uterosacral ligaments of premenopausal women with pelvic organ prolapse** *TAIWANESE JOURNAL OF OBSTETRICS & GYNECOLOGY*
Sun, M., Cheng, Y., Sun, R., Cheng, W., Liu, C.
2016; 55 (1): 9-15
- **Tumor-induced alterations in lymph node lymph drainage identified by contrast-enhanced MRI** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Ruddell, A., Kirschbaum, S. B., Ganti, S. N., Liu, C., Sun, R. R., Partridge, S. C.
2015; 42 (1): 145-152

- **The therapeutic efficiency of extracorporeal magnetic innervation treatment in women with urinary tract dysfunction following radical hysterectomy** *JOURNAL OF OBSTETRICS AND GYNAECOLOGY*
Sun, M., Sun, R., Chen, L.
2015; 35 (1): 74-78
- **Development of therapeutic microbubbles for enhancing ultrasound-mediated gene delivery** *JOURNAL OF CONTROLLED RELEASE*
Sun, R. R., Noble, M. L., Sun, S. S., Song, S., Miao, C. H.
2014; 182: 111-120
- **A comparative study of a single-incision sling and a transobturator sling: clinical efficacy and urodynamic changes** *INTERNATIONAL UROGYNECOLOGY JOURNAL*
Sun, M., Sun, R., Li, Y.
2013; 24 (5): 823-829
- **Improved Luciferase Gene Expression Using Ultrasound Targeted Microbubble Destruction Therapy in Swine**
Noble, M. L., Song, S., Sun, R. R., Fan, L., DiBlasi, R. M., O'Kelly-Priddy, C., Loeb, K. R., Miao, C. H., Meairs, S.
AMER INST PHYSICS.2012: 55-60
- **Diffusion-weighted MRI: influence of intravoxel fat signal and breast density on breast tumor conspicuity and apparent diffusion coefficient measurements** *MAGNETIC RESONANCE IMAGING*
Partridge, S. C., Singer, L., Sun, R., Wilmes, L. J., Klifa, C. S., Lehman, C. D., Hylton, N. M.
2011; 29 (9): 1215-1221