

# STEPHEN R. TOLHURST, M.D.

## CURRENT POSITION

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- September, 2012 – Present    Texas Back Institute    Flower Mound, Texas
- Orthopaedic Spine Surgeon
  - Faculty, Texas Back Institute Spine Surgery Fellowship Training Program

## PROFESSIONAL TRAINING

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### FELLOWSHIP TRAINING

- August, 2011-July, 2012    Cleveland Clinic Foundation    Cleveland, OH
- Fellowship in Spine Surgery

### RESIDENCY TRAINING

- June, 2006 – June, 2011    University of Michigan    Ann Arbor, Michigan
- Resident, Department of Orthopaedic Surgery

## EDUCATION

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2001-2006    University of Chicago Pritzker School of Medicine    Chicago, Illinois  
*M.D. with Honors*

1999 - 2001    University of Chicago    Chicago, Illinois  
*B.A. in Biology with a Concentration in Molecular and Cellular Biology*

- Honors in Biology and General Honors in the College

1997 - 1999    University of Delaware    Newark, Delaware  
*Biochemistry*

## BOARD CERTIFICATION & PROFESSIONAL LICENSURE

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- Board Certified, American Board of Orthopaedic Surgery
- Licensed in Texas, Ohio, and Michigan

## AWARDS AND HONORS

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- 2014, 2012 – Faculty, Cleveland Spine Review, Cleveland OH
- 2014 – Faculty, NASS Summer Spine Meeting
- 2011 – OREF Fellowship Grant
- 2006 – Franklin McLean Research Award for the most meritorious research in the medical field at the Pritzker School of Medicine
- 2005 – Alpha Omega Alpha
- 2005 – Calvin Fentress Research Fellowship Award – Pritzker School of Medicine
- 2001-04 - Adolph Lange Scholarship, Pritzker School of Medicine
- 2001 - Phi Beta Kappa
- 2001 - Sigma Xi, University of Chicago Chapter
- Summer 1999, Summer 2000 - Howard Hughes Medical Institute Undergraduate Research Scholar

1. Brady M, **Tolhurst SR**, Moore TA. Sacral spine and pelvis. In Patel V et al (eds): *Spine Surgery Basics, 2014 Volume*. ISBN 978-3642341250; 2013.
2. **Tolhurst SR**, Bell GR. Thoracolumbar spine. In Ianotti JP et al (eds): *The Netter Collection of Medical Illustrations, Volume 6, 2nd ed*. ISBN 978-1-4160-6382-7; 2013.
3. **Tolhurst SR**, Vanderhave KL, Caird MS, Garton HL, Maher CO, Graziano GP, Farley FA. Utility of advanced imaging in diagnosing cervical arterial injury following blunt cervical spine trauma in children and adolescents. *Journal of Pediatric Orthopaedics* 33:37-42; 2013.
4. Julka A, **Tolhurst SR**, Srinivasan RC, Graziano GP. Functional outcomes and height restoration for patients with multiple myeloma related osteolytic vertebral compression fractures treated with kyphoplasty. *Journal of Spinal Disorders and Techniques* 27:342-6; 2014.
5. Srinivasan RC, **Tolhurst SR**, Vanderhave K. Orthopaedics. In: Doherty GM (ed): *Current Surgical Diagnosis and Treatment*, ed. 13. New York, NY: McGraw-Hill Medical, 2009, pp 1006-1091.
6. Orvieto MA, Zorn KC, Lyon MB, **Tolhurst SR**, Rapp DE, Seip R, Sanghvi N, Shalhav A. High intensity focused ultrasound renal tissue ablation: a laparoscopic porcine model. *Journal of Urology* 181:861-6, 2009. (Name misspelled as Tohurst SR on manuscript)
7. Lyon MB, Orvieto MA, Zorn KC, **Tolhurst SR**, Rapp DE, Mikhail AA, Brendler CB, Shalhav AL. Effect of renal warm ischemia in an acute versus chronic solitary kidney model. *Urology* 69:402-6, 2007
8. Orvieto MA, Zorn KC, Lyon MB, **Tolhurst SR**, Rapp DE, Mikhail AA, Oras JJ, Son H, Kasza KE, Brendler CB, Shalhav AL. Laparoscopic ice slurry coolant for renal hypothermia. *Journal of Urology* 177:382-5, 2007.
9. Rapp DE, Orvieto MA, Lyon MB, **Tolhurst SR**, Gerber GS, Steinberg GD. Urothelial hyperplasia causing recurrent obstruction following ureteral metal stent placement in the treatment of ureteroenteric anastomotic stricture. *Journal of Endourology* 20:910-2, 2006
10. **Tolhurst SR**, Rapp DE, Lyon MB, Orvieto MA, Sokoloff MH, Shalhav AL. Post-operative changes mimicking the radiographic appearance of recurrent renal cell carcinoma. *Urologia Internationalis* 76:368-70, 2006.
11. Mikhail AA, **Tolhurst SR**, Orvieto MA, Weiss RM, Kaplan ES, Shalhav AL. Open versus laparoscopic simultaneous bilateral adrenalectomy. *Urology* 67:693-6, 2006.
12. Chien GW, Orvieto MA, **Tolhurst SR**, Shalhav AL, Harland RC. Case report: robotic assisted laparoscopic pyeloureterostomy in a transplant kidney with ureteral stricture. *Journal of Endourology* 20:31-2, 2006.
13. **Tolhurst SR** and Lotan T, Rapp DE, Orvieto MA, Lyon MB, Gerber GS, Sokoloff MH. Well-differentiated papillary mesothelioma occurring in the tunica vaginalis of the testis with contralateral atypical mesothelial hyperplasia. *Urologic Oncology* 24:36-9, 2006.
14. Orvieto MA, Chien GW, Steinberg GD, **Tolhurst SR**, Zagaja GP, Brendler CB, Shalhav AL. Simplifying laparoscopic partial nephrectomy: technical considerations for reproducible outcomes. *Urology* 66:976-80, 2005.
15. Orvieto MA, **Tolhurst SR**, Chuang MS, Ritch CR, Lyon MB, Rapp DE, Shalhav AL. Defining maximum renal tolerance to warm ischemia in a porcine laparoscopic and open surgery model. *Urology* 66:1111-5, 2005.
16. **Tolhurst SR**, Rapp DE, O'Connor RC, Lyon MB, Orvieto MA, Steinberg GD. Complications after cystectomy and urinary diversion in patients previously treated for localized prostate cancer. *Urology* 66:824-9, 2005.

## INVITED PRESENTATIONS

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1. **Tolhurst SR.** Vascular injuries with anterior lumbar surgery. *Podium presentation at NASS Summer Spine Meeting, July 2014, Amelia Island, FL*
2. **Tolhurst SR.** Failed disc arthroplasty. *Podium presentation at NASS Summer Spine Meeting, July 2014, Amelia Island, FL*
3. **Tolhurst SR,** Mageswaran P, Techy F, McLain RF. Effects of sequential unilateral facetectomy on cervical spinal stability. *Poster presentation at the AAOS Annual Meeting, March 2013, Chicago, IL*
4. **Tolhurst SR,** Vallier HA, Steinmetz MP, Nemunaitis GA, Moore TA. Spinal cord injury in polytraumatized patients: a prospective study to optimize surgery timing. *Poster presentation at the International Spinal Cord Society Meeting, September 2012, London, UK*
5. **Tolhurst SR,** Julka A, Srinivasan RC, Graziano GP. Functional outcomes and height restoration for patients with multiple myeloma related osteolytic vertebral compression fractures treated with kyphoplasty.. *Podium presentation at the Lumbar Spine Research Society Annual Meeting, May 2011, Chicago, IL*
6. **Tolhurst SR,** Vanderhave KL, Caird MS, Farley FA. Utility of advanced imaging in diagnosing cervical arterial injury following blunt cervical spine trauma in children and adolescents. *Podium presentation at AAOS Annual Meeting, February 2011, San Deigo, CA*
7. **Tolhurst SR,** Vanderhave KL, Caird MS, Farley FA. Utility of advanced imaging in diagnosing cervical arterial injury following blunt cervical spine trauma in children and adolescents. *Podium presentation at Orthopaedic Research and Education Foundation Meeting, Ann Arbor, MI October 2010*
8. **Tolhurst SR,** Vanderhave KL, Caird MS, Farley FA. Utility of advanced imaging in diagnosing cervical arterial injury following blunt cervical spine trauma in children and adolescents. *Poster presentation at the Michigan Orthopaedic Society Annual Meeting, June 2010, Mackinac Island, MI*
9. **Tolhurst SR,** Orvieto MA, Chien GW, Galocy RM, Lyon MB, Rapp DE, Mikhail AA, Shalhav AL. Knot free reconstructive surgery in laparoscopic urology: the video. *Presented at the 2005 American Urological Association Meeting, San Antonio, TX*
10. **Tolhurst SR,** Lyon MB, Orvieto MA, Rapp DE, Gong EM, Steinberg GD, Shalhav AL. Laparoscopic radical nephrectomy: comparison of renal tumors less and greater than seven centimeters. *Presented at the 12<sup>th</sup> Annual Charles B. Huggins Research Symposium, Chicago, IL*
11. **Tolhurst SR,** Rapp DE, O'Connor RC, Lyon MB, Orvieto MA, Steinberg GD. Complications after cystectomy and urinary diversion in patients previously treated for localized prostate cancer. *Presented at the 12<sup>th</sup> Annual Charles B. Huggins Research Symposium, Chicago, IL*
12. **Tolhurst SR,** Gooden K, Piotrowski GA, Mass DP, Draganich LF. The Effects of Two Screw Techniques on Scapholunate Stabilization. *Presented at the 2002 Pritzker School of Medicine Summer Research Program Symposium*