

Patents and Publications, Dr. Robert Carey

Patents in Robotics and Urology

Carey R. Drug Delivery System for Treatment of Transitional Cell Carcinoma. Application number: 11/829,680. Publication number: US 2008/0044452 A1. Filing date: Jul 27, 2007. Inventor: Robert I. Carey. U.S. Classification 424423000; 424246100; 514002000; 514410000.

Carey R. Preparation of Reagents for Robotic Peptide Synthesizers: N^αBpoc Amino Acid Pentafluorophenyl (Pfp) Esters and 3,4-Dihydro-4-Oxo-1,2,3-Benzotriazin-3-yl (ODhbt) Esters. 1998. US#08891676. Patent number: 5952497. Filing date: Jul 10, 1997. Issue date: Sep 14, 1999. Inventor: Robert I. Carey. Assignee: University of Georgia Research Foundation. U.S. Classification 544/183; 560/19. International Classification C07D25308; C07C22900.

Carey R. Preparation of Reagents for Robotic Peptide Synthesizers: N^α-α,α-Dimethyl-3,5-Dimethoxybenzylcarbonyl Amino Acid 3,4-Dihydro-3-Hydroxy-4-Oxo-1,2,3-Benzotriazin-3-yl and Pentafluorophenyl Esters. 1998. US#08891134. Patent number: 6075141. Filing date: Jul 10, 1997. Issue date: Jun 13, 2000. Inventor: Robert I. Carey. Assignees: University of Georgia Research Foundation, Inc. U.S. Classification 544/180; 544/183; 530/333; 530/334; 530/335; 530/337; 530/338; 564/161; 564/170; 560/19. International Classification C07K 100; C07D25100.

Urology Publications

Carey RI, Bird VG, Leveillee RJ. Upper Tract Urothelial Carcinoma. Expert Reviews in Anti-cancer Therapy. In press for June 2009.

Bird VG, Carey RI, Ayyathurai R, Bird VY. Management of Renal Masses with Laparoscopic-Guided Radiofrequency Ablation versus Laparoscopic Partial Nephrectomy. Journal of Endourology. January 1, 2009, 23(1): 81-88.

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Carey RI and Leveillee RJ Direct, First Prize: Real-time Temperature Monitoring for Laparoscopic and CT-guided Radiofrequency Ablation of Renal Tumors between 3 and 5 Centimeters. J Endourol. 2007 Aug;21(8):807-10.

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Leveillee RJ and Carey RI. Extracorporeal Shock Wave Lithotripsy. Why Newer May Not Be Better? Nature Clinical Practice Urology, 2006; 3: 76-78.

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Isoyama T, Thwaites D, Selzer MG, Carey RI, Barbucci R, Lokeshwar VB. Differential Selectivity of Hyaluronidase Inhibitors towards Acidic and Basic Hyaluronidases. *Glycobiology*. 2006; 16: 11-21.

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Carey RI and Leveillee RJ Positioning and Room Configuration for Robotic-assisted Laparoscopic Surgery. In *Robotic Urologic Surgery*, ed. Patel, V. (2006) Springer, p. 61-67.

Carey RI and Leveillee RJ Robotic-assisted Transperitoneal Laparoscopic Pyeloplasty. In *Robotic Urologic Surgery*, ed. Patel, V. (2006) Springer, p. 152-161.

Urology Abstracts and Presentations

Carey RI & Hakky T. High Volume, Fellowship-trained Single Surgeon Robotic-assisted Laparoscopic Radical Prostatectomy Experience: 220 cases in 2 years. *World Congress of Endourology*, Shanghai, China, November 30, 2008.

Carey, RI, Hakky T. Laparoscopic, ultrasound-guided microwave thermal ablation (MWA) with direct, real-time temperature monitoring of a 3.4 cm renal tumor in an anti-coagulated patient. *World Congress of Endourology*, Shanghai, China, November 30, 2008.

Carey RI, Bird, VG, Leveillee, RJ, Hakky T, Shields, J. Multi-institutional Treatment of Renal Tumors with CT-guided and laparoscopic, ultrasound guided microwave thermal ablation (MWA) with direct, real-time, temperature monitoring. *World Congress of Endourology*, Shanghai, China, November 30, 2008.

Leveillee RJ, Carey RI, Bird VG, Moore CR, Salas, N. Cancer-free and metastasis-free survival for patients with 48 month follow-up after laparoscopic, ultrasound-guided or CT-guided radiofrequency ablation for biopsy proven renal cell carcinoma. *World Congress of Endourology*, Shanghai, China, November 30, 2008.

Leveillee RJ, Carey RI, Bird VG, Moore CR, Salas, N. Radiofrequency Ablation for T1b Biopsy Proven Renal cancers with active temperature monitoring: Intermediate Results. *World Congress of Endourology*, Shanghai, China, November 30, 2008.

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Kyle CC, Wingo MS, Carey RI, Ekwenna OO, Leveillee RJ, and Bird VG. Diagnostic Yield of Renal Biopsy Immediately prior to Laparoscopic Radiofrequency Ablation. *Engineering and Urology Society Meeting*, May 2008.

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Carey RI & Hakky T. Management of an Intravesical Adenoma During Robotic-Assisted Laparoscopic Radical Prostatectomy. World Robotic Urology Symposium, Orlando, FL March 17, 2008.

Carey RI; Carey DL, Kyle CC, Bird VG, Leveillee RJ Precision Injection Molding With Bego Stone and Ultracal 30 for the Preparation of Artificial Kidney Stones of Reproducible Size, Shape, and Mass. Engineering and Urology Society, May 19, 2007.

Kyle CC, Carey RI, Bhalani V, Leveillee RJ Use of a Phase Transition Polymer to Decrease Retropulsion and Increase Efficiency of Lithotripsy: An In Vitro Study. Engineering and Urology Society, May 19, 2007.

Bird VG, Carey RI, Gomez, CG, Evaluation and Durability of the Latest Generation of flexible Ureterscopes. Engineering and Urology Society, May 19, 2007.

Kyle CC, Carey RI, Rane A, Bhalani V, Leveillee RJ. Evaluation of a Novel Cordless Pneumatic Lithotripter. Engineering and Urology Society, May 19, 2007.

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Kyle CC, Carey RI, Leveillee RJ Robotic-assisted Laparoscopic Vesicoureteral Reimplant in a Fertile Female with Adnexa Intact. Video presentation. World Congress of Endourology, Cleveland, OH, August 2006.

Carey RI, Bird VG, Udgiri N, Kyle CC, .Laparoscopic Renal Surgery in the Aging Population: and Analysis by Age-decade. World Congress of Endourology, Cleveland, OH, August 2006.

Carey RI, Bhalani V, Udgiri N, Kyle CC, Bird VG Efficacy and Design Related Limitations for Reinforced and Nonreinforced 12/14 FR Diameter ureteral Access Sheaths. World Congress of Endourology, Cleveland, OH, August 2006.

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Carey RI, Kyle CC, Carey DL, Leveillee RJ Preparation of Artificial Kidney Stones of Reproducible Size, Shape, and Mass by Precision Injection Molding. World Congress of Endourology, Cleveland, OH, August 2006.

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Bird VG, Carey RI, Siddiq FM, Leveillee RJ. Conservative Management of a Splenic Injury Related to Percutaneous Nephrostolithotomy. 23rd World Congress of Endourology and SWL, Amsterdam, The Netherlands, August 23, 2005.

Kurzer E, Carey RI, Bird VG, Leveillee RJ. Radiofrequency Ablation of Renal Tumors with Accessory Temperature Coupling: The University of Miami Experience. 23rd World Congress of Endourology and SWL, Amsterdam, The Netherlands, August 23, 2005.

Kurzer E, Carey RI, Bird VG Leveillee RJ. Combining Hand Assisted Laparoscopic Nephroureterectomy with Cystoscopic Circumferential Excision of the Distal Ureter without Primary Closure of the Bladder Cuff. Is It Safe? 23rd World Congress of Endourology and SWL, Amsterdam, The Netherlands, August 23, 2005.

Kurzer E. Carey RI, Vird VG, Kim SS, Leveillee RJ Obesity as a Risk Factor for Complications During Laparoscopic Surgery for Renal Tumors: a Multivariate Analysis. 23rd World Congress of Endourology and SWL, Amsterdam, The Netherlands, August 23, 2005.

Carey RI, Bird VG, Gomez CG, Maurici G, Leveillee R. Frequency and Cause of Ureteroscope Damage Seen in a Tertiary Care Center. 23rd World Congress of Endourology and SWL, Amsterdam, The Netherlands, August 23, 2005.

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Kemp D, Carey R, Dewan J, Galakatos N, Kerkman D, Leung S. Rational Design of Templates for Intramolecular O,N-Acyl Transfer via Medium-sized Cyclic Intermediates Derived from L-Cysteine -- Definition of an Experimental Maximum in Effective Molarity through the Study of Tunable Templates. *J Organic Chem* 1989;54:1589-1603.

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