

UroRecon

The electronic newsletter of Urologic Trauma and Reconstruction.
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(Every issue we may feature one abstract of a paper which is accepted for publications but is not yet in print. Send abstracts for consideration to wzimmerm@dmc.org)

[J Trauma](#), 2011 Jan;70(1):35-7.

Revision of current American Association for the Surgery of Trauma Renal Injury grading system.

[Buckley JC](#), [McAninch JW](#).

Department of Urology, Lahey Clinic Medical Center, Burlington, Massachusetts, USA.

Abstract

BACKGROUND: We propose a revision of the original 1989 renal organ injury system established by the American Association for the Surgery of Trauma based on our institution's >25-year longitudinal experience. Our goal is to expand the current grading system to include segmental vascular injuries and ureteral pelvic injuries and to establish a more rigorous definition of severe grade IV and V renal injuries.

METHODS: We retrospectively reviewed our prospectively gathered contiguous renal database of 3,580 renal injuries to describe a revised renal grading injury scale based on clinical renal salvage outcomes. We focused on the mechanism of injury, the stability of the patient, radiographic imaging, associated nonrenal injuries, and clinical salvage outcome data.

RESULTS: No changes were made in the definition of grade I to III injuries. The revised grade IV classification includes all collecting system, renal pelvis injuries and segmental arterial and/or venous injuries. The revised grade V classification is limited to main renal artery and/or vein injuries, including laceration, avulsion, and thrombosis. We compared the nephrectomy rate and clinical renal salvage rate between the original 1989 renal organ injury system with our revised renal injury staging classification.

CONCLUSION: The revised renal injury staging classification provides complete and clear definitions of renal trauma while still performing its fundamental objective to reflect increasingly complex renal injuries. Uniform language and classification of renal injuries will enhance discussion, clinical investigation, and research of renal trauma.

RECENT UROLOGIC RECONSTRUCTION CITATIONS

[Non-operative management of renal trauma in very young children: Experiences from a dedicated South African paediatric trauma unit.](#)

Tsui A, Lazarus J, Sebastian van As AB.

Injury. 2011 Jan 24. [Epub ahead of print]PMID: 21269622

[Quality of life after penile reconstruction using the radial forearm flap in adult bladder exstrophy patients - technique and outcomes.](#)

Ricketts S, Hunter-Smith DJ, Coombs CJ.

ANZ J Surg. 2011 Jan;81(1-2):52-5. doi: 10.1111/j.1445-2197.2010.05482.x. Epub 2010 Sep 16.

[Abdominoplasty of Cloacal Exstrophy \(Application of Reconstructive Methods to Recurrent and Primary Cases\).](#)

Matsui T, Park S, Shiraishi T, Horikiri M.

Ann Plast Surg. 2011 Jan 21.

[Single-stage subsymphyseal cystoscopic-guided bladder neck plication and urethroplasty in female epispadias: presentation of long-term follow-up.](#)

Kajbafzadeh AM, Talab SS, Elmi A, Tourchi A.

BJU Int. 2011 Jan 11. doi: 10.1111/j.1464-410X.2010.10022.x. [Epub ahead of print]

[Single-layer anatomical reconstruction of the vesico-urethral anastomosis during robot-assisted laparoscopic prostatectomy \(RALP\).](#)

Sengupta S, Ischia J, Webb DR.

BJU Int. 2011 Jan;107(2):340-3.

[Laparoscopic Renal Descensus for Upper Tract Reconstruction.](#)

Sutherland DE, Williams SB, Jarrett TW.

J Endourol. 2011 Jan 3. [Epub ahead of print]

[Functional detrusor myoplasty for bladder acontractility: long-term results.](#)

Gakis G, Ninkovic M, van Koeveringe GA, Raina S, Sturtz G, Rahnama'i MS, Sievert KD, Stenzl A. J

Urol. 2011 Feb;185(2):593-9. Epub 2010 Dec 18

[Optimizing vesicourethral anastomosis healing after robot-assisted laparoscopic radical prostatectomy: lessons learned from three techniques in 1900 patients.](#)

Tan G, Srivastava A, Grover S, Peters D, Dorsey P Jr, Scott A, Jhaveri J, Tilki D, Te A, Tewari A.

J Endourol. 2010 Dec;24(12):1975-83. Epub 2010 Oct 25.

[Long-term functional urinary outcomes comparing single- vs double-layer urethrovesical anastomosis: two-year follow-up of a two-group parallel randomized controlled trial.](#)

Sammon JD, Muhletaler F, Peabody JO, Diaz-Insua M, Satyanaryana R, Menon M.

Urology. 2010 Nov;76(5):1102-7.

[Clinical applications of the pedicled anterolateral thigh flap in penile reconstruction.](#)

Rashid M, Aslam A, Malik S, Tamimy MS, Ehtesham-Ul-Haq, Aman S, Jamy O.

J Plast Reconstr Aesthet Surg. 2011 Feb 14. [Epub ahead of print]

[Assessment of the perfusion and morbidity of the buccal mucosal donor site for grafting of urethral strictures.](#)

Hölzle F, Mitchell DA, Rau A, Palisaar J, Loeffelbein DJ, Noldus J, Hoheisel A, Mücke T, Kesting M, Wolff KD.

J Craniomaxillofac Surg. 2011 Feb 10. [Epub ahead of print]

[Two-stage repair with buccal mucosa for severe and complicated hypospadias in adults.](#)

Zhao M, Li Y, Tang Y, Chen W, Yang Z, Li Q, Zhou C, Li F, Zhou Y.

Int J Urol. 2011 Feb;18(2):155-61.

[The Prefabricated Gracilis Muscle Flap With Full Thickness Skin Graft and Delay for Urethral Channel Reconstruction.](#)

Camp S, Cartwright P, Siddiqi F.

Ann Plast Surg. 2011 Jan 12. [Epub ahead of print]

[Review of Microsurgical Posterior Urethral Reconstruction.](#)

Nelson AK, Wessells H, Friedrich JB.

J Reconstr Microsurg. 2010 Dec 23. [Epub ahead of print]

[Hyperbaric oxygen therapy for recovery of erectile function after posterior urethral reconstruction.](#)

Yuan JB, Yang LY, Wang YH, Ding T, Chen TD, Lu Q.

Int Urol Nephrol. 2010 Nov 26. [Epub ahead of print]

[Volar onlay urethroplasty for reconstruction of female urethra in recurrent stricture disease.](#)

Gozzi C, Roosen A, Bastian PJ, Karl A, Stief C, Tritschler S.
BJU Int. 2010 Nov 17. doi: 10.1111/j.1464-410X.2010.09790.x. [Epub ahead of print]

[Glanuloplasty with urethral flap after partial penectomy.](#)

Belinky JJ, Cheliz GM, Graziano CA, Rey HM.
J Urol. 2011 Jan;185(1):204-6. Epub 2010 Nov 13.

[Anterior urethral strictures: a brief review of the current surgical treatment.](#)

Singh O, Gupta SS, Arvind NK.
Urol Int. 2011;86(1):1-10. Epub 2010 Oct 19.

[Grafts are unnecessary for proximal bulbar reconstruction.](#)

Terlecki RP, Steele MC, Valadez C, Morey AF.
J Urol. 2010 Dec;184(6):2395-9. Epub 2010 Oct 16.

[Ventral longitudinal stricturotomy and transversal closure: the Heineke-Mikulicz principle in urethroplasty.](#)

Lumen N, Hoebeke P, Oosterlinck W.
Urology. 2010 Dec;76(6):1478-82. Epub 2010 Oct 15.

[Transperineal bulboprostatic anastomotic repair of pelvic fracture urethral distraction defect and role of ancillary maneuver: A retrospective study in 172 patients.](#)

Singh SK, Pawar DS, Khandelwal AK, Jagmohan.
Urol Ann. 2010 May;2(2):53-7.

[Anterior urethroplasty and effects on sexual life: which is the best technique?](#)

Palminteri E, Franco G, Berdondini E, Fusco F, De Cillis A, Gentile V.
Minerva Urol Nefrol. 2010 Dec;62(4):371-6.

[The Outcomes of Perineal Urethrostomy with Preservation of the Dorsal Urethral Plate and Urethral Blood Supply.](#)

Myers JB, Porten SP, McAninch JW.
Urology. 2011 Jan 5. [Epub ahead of print]

(send citations for consideration for inclusion in UroRecon to wzimmerm@dmc.org)

RECENT UROLOGIC TRAUMA CITATIONS

[Instituting a conservative management protocol for pediatric blunt renal trauma: evaluation of a prospectively maintained patient registry.](#)

Fitzgerald CL, Tran P, Burnell J, Broghammer JA, Santucci R.
J Urol. 2011 Mar;185(3):1058-64. Epub 2011 Jan 21.

[Revision of current American Association for the Surgery of Trauma Renal Injury grading system.](#)

Buckley JC, McAninch JW.
J Trauma. 2011 Jan;70(1):35-7.

[Angiointervention: high rates of failure following blunt renal injuries.](#)

Menaker J, Joseph B, Stein DM, Scalea TM.
World J Surg. 2011 Mar;35(3):520-7.

[Predictors of outcome for blunt high grade renal injury treated with conservative intent.](#)

McGuire J, Bultitude MF, Davis P, Koukounaras J, Royce PL, Corcoran NM.
J Urol. 2011 Jan;185(1):187-91. Epub 2010 Nov 13.

[Penile Fracture: Long-Term Results of Surgical and Conservative Management.](#)

Gamal WM, Osman MM, Hammady A, Aldahshoury MZ, Hussein MM, Saleem M.
J Trauma. 2011 Jan 27. [Epub ahead of print]

[Surgical Repair of Traumatic Amputation of the Glans.](#)

Charlesworth P, Campbell A, Kamaledeen S, Joshi A.
Urology. 2011 Jan 20. [Epub ahead of print]

[Penile fracture: diagnosis, treatment and outcomes of 150 patients.](#)

Koifman L, Barros R, Júnior RA, Cavalcanti AG, Favorito LA.
Urology. 2010 Dec;76(6):1488-92. Epub 2010 Aug 12.

[Civilian gunshot wounds to the genitourinary tract: incidence, anatomic distribution, associated injuries, and outcomes.](#)

Najibi S, Tannast M, Latini JM.
Urology. 2010 Oct;76(4):977-81; discussion 981

[Cross-sectional study examining four types of male penile and urethral "play".](#)

Rinard K, Nelius T, Hogan L, Young C, Roberts AE, Armstrong ML.
Urology. 2010 Dec;76(6):1326-33. Epub 2010 Jun 25.

(send citations for consideration for inclusion in UroRecon to wzimmerm@dmc.org)

MEETING/OTHER INFORMATION

Second European Conference on Failed Hypospadias Repair

September 22 - 2012
Arezzo – Italy

Society of Genitourinary Reconstructive Surgeons

General Membership Scientific Session
Grand Hyatt Washington
(Independence Ballroom "A")
100 "H" Street NW
Washington, DC 20001
Sunday, May 15, 2011
1:00pm to 5:10pm

(send information/meetings for UroRecon to wzimmerm@dmc.org)

WEBSITES OF INTEREST

Society of Genitourinary Reconstructive Surgeons: <http://www.societygurs.org/>
The Center for Reconstructive Urethral Surgery: <http://www.urethralcenter.it/>
International Volunteers in Urology: <http://www.ivumed.org/>

FELLOWSHIP INFORMATION

Institution: The Detroit Medical Center

Mailing address: Department of Urology
4160 John R.
Suite 1017
Detroit, MI 48120

Contact persons name: Richard Santucci, MD
Contact persons email: rsantucc@dmc.org
Phone: (313) 745-1712
Fax: (313) 745-8222
Fellowship website: <http://www.drhuhc.org/urology3.html>

Short description: We perform more than 80 reconstructive cases a year, mostly complex urethroplasty. The Fellow has staff privileges at one of the nation's premier Level I trauma centers, and has constant opportunity to operate "solo" at the attending level.

Work in a supportive environment designed to foster your academic career and clinical skills. Adequate time will be arranged for clinical research and developing your C.V., to help prepare you for academic or private job market.

We have a nice mix of male urethral reconstruction, spinal cord reconstruction, trauma, and other reconstruction cases (such as iatrogenic ureteral injury). We've got a robust referral population and see a huge variety of cases.

Apply by which date: Apply as early as possible, 2 years ahead. Interview between July 1 – December 30, 2011, for Fellowship starting July 1, 2013.

(send fellowship information for UroRecon to wzimmerm@dmc.org)

URORECON INFORMATION

UroRecon is edited by W. Britt Zimmerman, DO and founded by Richard A. Santucci, MD, and includes abstracts of papers in press, announcements, notice of meetings, positions available, and recently published papers of interest in the field of Trauma and Reconstructive Urology. To submit an item, subscribe, or unsubscribe, send e-mail to wzimmerm@dmc.org.

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