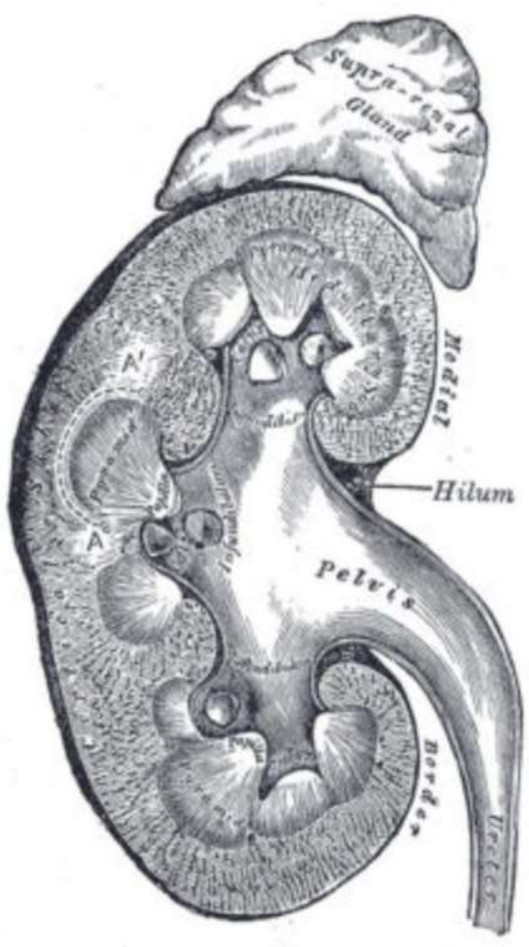


CHU TOULOUSE | CENTRE HOSPITALIER UNIVERSITAIRE

TRANSPLANTATION RENALE avec assistance ROBOTIQUE

Nicolas Doumerc

CHU TOULOUSE Urologie

Montauban, mercredi 5 juin 2024

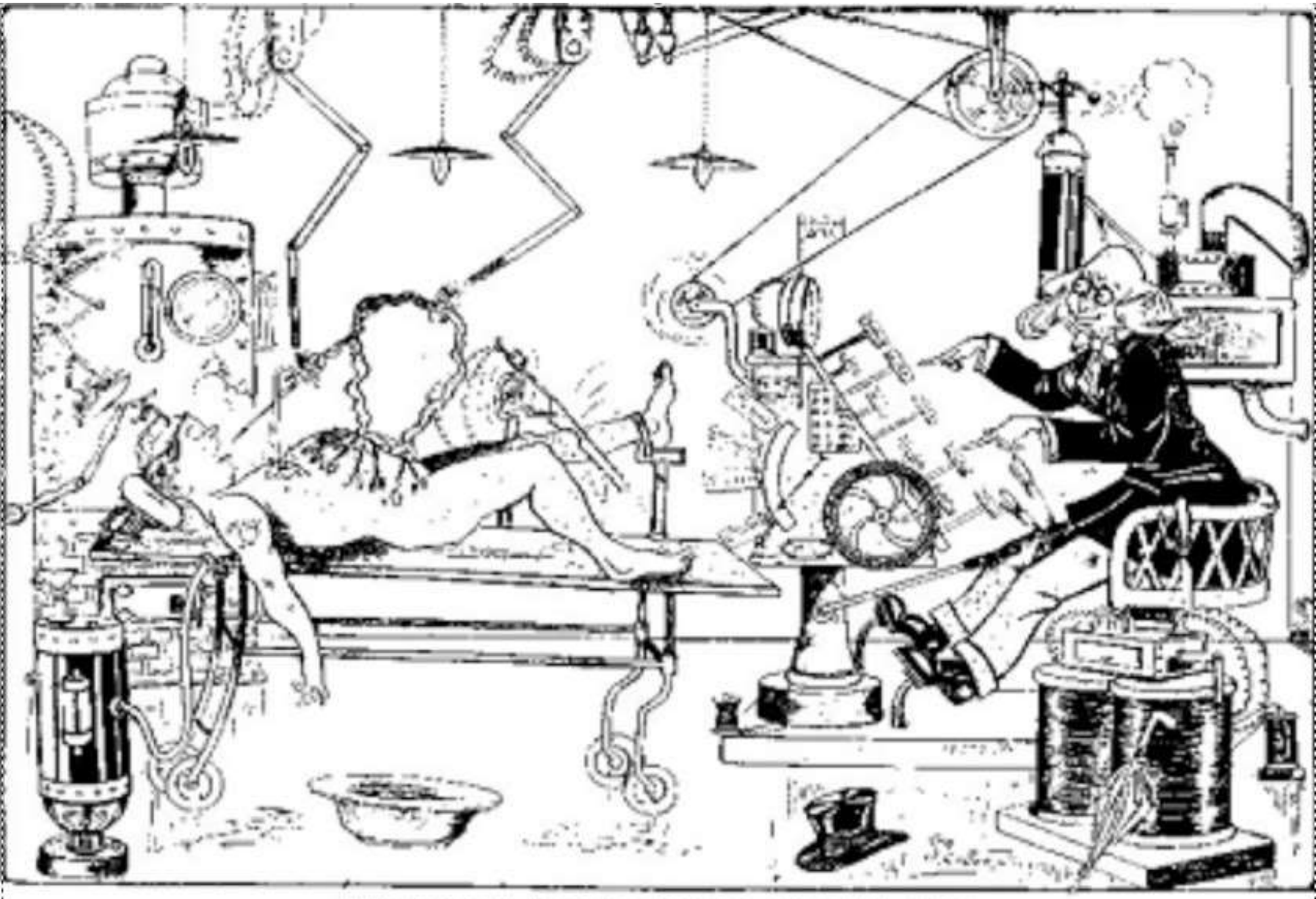
DECLARATION DE LIENS D'INTERÊTS

« Le Dr Nicolas Doumerc déclare avoir reçu des honoraires en tant que consultant pour la société Intuitive Surgical, les laboratoires Pierre Fabre, IPSEN, MSD »

Le robot Da Vinci n'est pas un robot…

« **Robot**: dispositif mécatronique conçu pour accomplir **automatiquement** des tâches imitant reproduisant des actions humaines. »

Le robot Da Vinci est
une **interface informatique** entre le
chirurgien et son patient.



UNE SALLE D'OPÉRATIONS EN L'AN 2000

La transplantation rénale assistée par robot est un exemple d'**innovation** chirurgicale…

« **Innovation**: action d'innover, c'est à dire de chercher à améliorer constamment l'existant, par contraste avec **l'invention** qui vise à créer du nouveau. »

La première… 2002

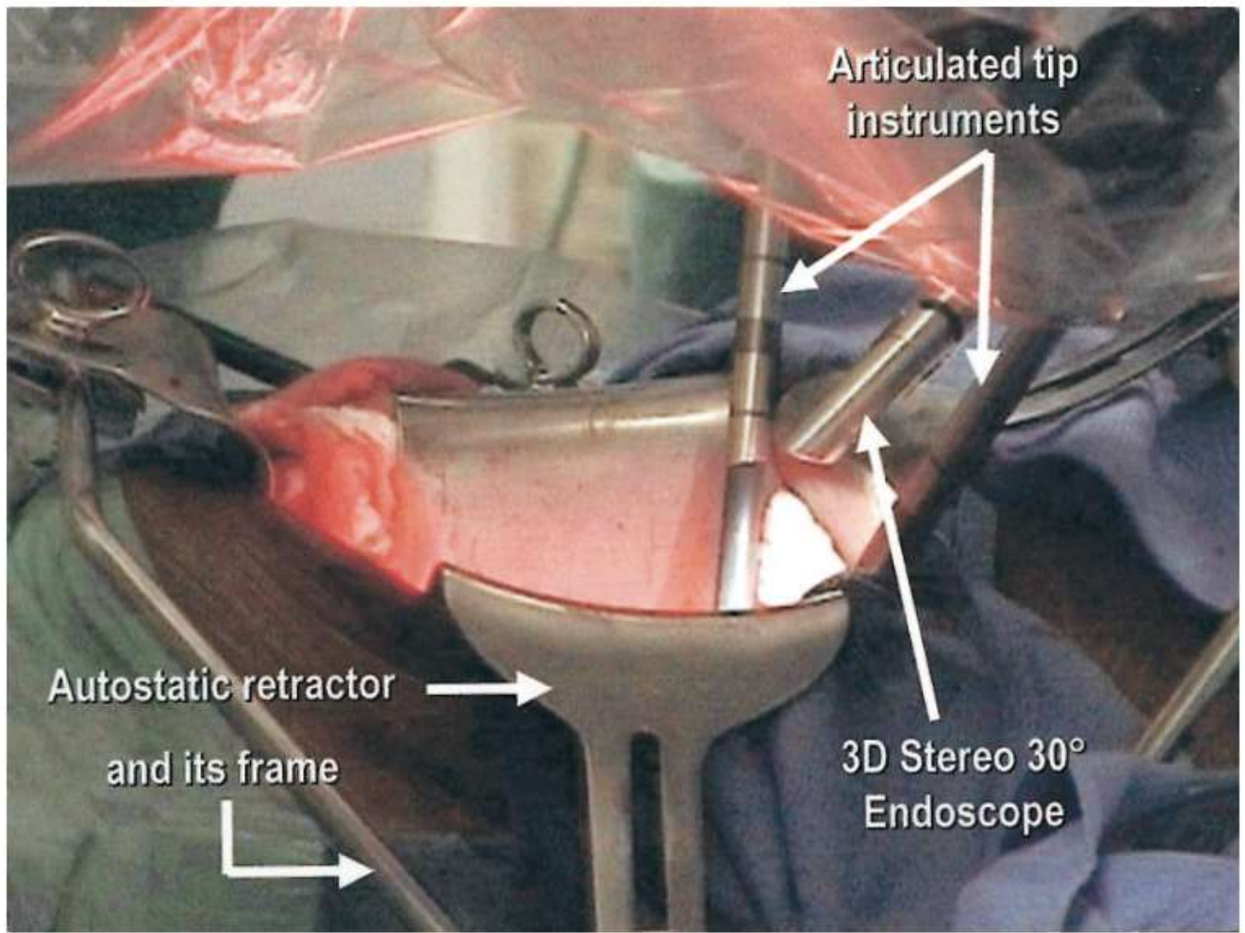
0022-5347/02/1674-1604/0
THE JOURNAL OF UROLOGY®

Vol. 167, 1604–1606, April 2002
Printed in U.S.A.

ROBOTIC ASSISTED KIDNEY TRANSPLANTATION: AN INITIAL EXPERIENCE

ANDRÁS HOZNEK, SAFWAT K. ZAKI, DAVID B. SAMADI, LAURENT SALOMON, ADRIAN LOBONTIU, PHILIPPE LANG AND CLÉMENT-CLAUDE ABBOU

From the Service d'Urologie and Service de Néphrologie, Centre Hospitalier Universitaire Henri Mondor, Créteil, France



La « vraie »première… 2010

American Journal of Transplantation 2010; 10: 1478–1482
Wiley Periodicals Inc.

doi: 10.1111/j.1600-6143.2010.03116.x

Case Report

Robotic Transabdominal Kidney Transplantation in a Morbidly Obese Patient

P. Giulianotti, V. Gorodner, F. Sbrana, I. Tzvetanov, H. Jeon, F. Bianco, K. Kinzer, J. Oberholzer* and E. Benedetti

Department of Surgery, University of Illinois, Chicago, IL
**Corresponding author: Jose Oberholzer, jober@uic.edu*

tend not to list morbidly obese patients for kidney transplantation.

Minimally invasive surgical techniques have revolutionized the field of general surgery. Advances include minimized trauma related to surgical access, reduced wound complications and earlier onset of patient mobilization. Laparo-

En Europe… 2011

Transplant International

Transplant International ISSN 0934-0874

CASE REPORT

Robotic renal transplantation: first European case

Ugo Boggi,[1] Fabio Vistoli,[1] Stefano Signori,[1] Simone D'Imporzano,[1] Gabriella Amorese,[2] Giovanni Consani,[2] Fabio Guarracino,[3] Franca Melfi,[4] Alfredo Mussi[4] and Franco Mosca[5]

Anastomose UV à ciel ouvert

La « vraie » série … 2014

EUROPEAN UROLOGY 65 (2014) 991–1000

available at www.sciencedirect.com
journal homepage: www.europeanurology.com

European Association of Urology

Surgery in Motion

Robotic Kidney Transplantation with Regional Hypothermia: A Step-by-step Description of the Vattikuti Urology Institute–Medanta Technique (IDEAL Phase 2a)

Mani Menon [a], *Akshay Sood* [a,*], *Mahendra Bhandari* [a], *Vijay Kher* [b], *Prasun Ghosh* [b], *Ronney Abaza* [c], *Wooju Jeong* [a], *Khurshid R. Ghani* [a], *Ramesh K. Kumar* [a], *Pranjal Modi* [d], *Rajesh Ahlawat* [b]

[a] *Vattikuti Urology Institute, Henry Ford Hospital, Detroit, MI, USA;* [b] *Kidney and Urology Institute, Medanta–The Medicity, Gurgaon, India;* [c] *Department of Urology, Ohio State University, Columbus, OH, USA;* [d] *Department of Urology, H.L. Trivedi Institute of Transplantation Sciences, Ahmedabad, India*

50 patients

2015

EUROPEAN UROLOGY 68 (2015) 1103–1105

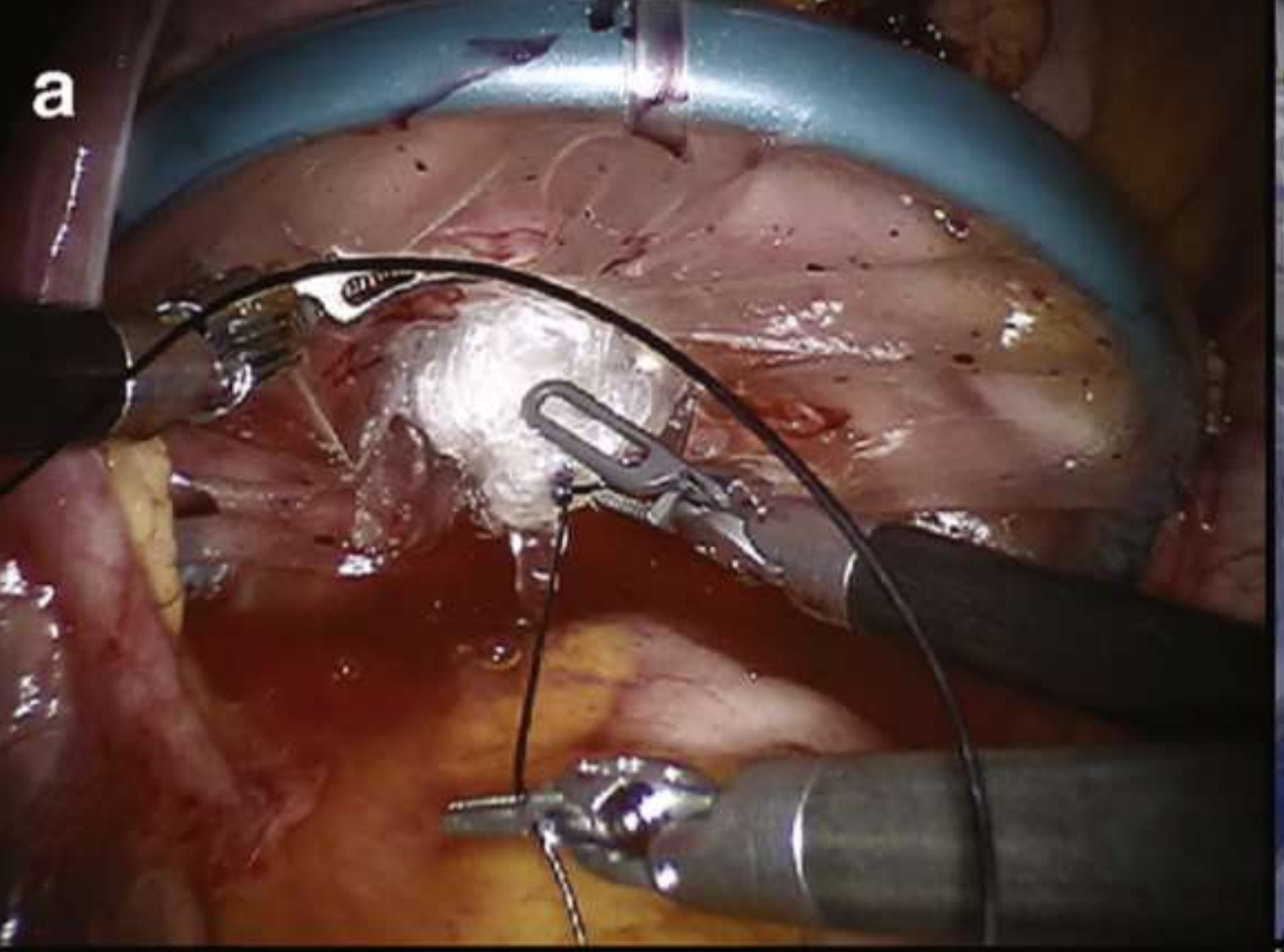
available at www.sciencedirect.com
journal homepage: www.europeanurology.com

European Association of Urology

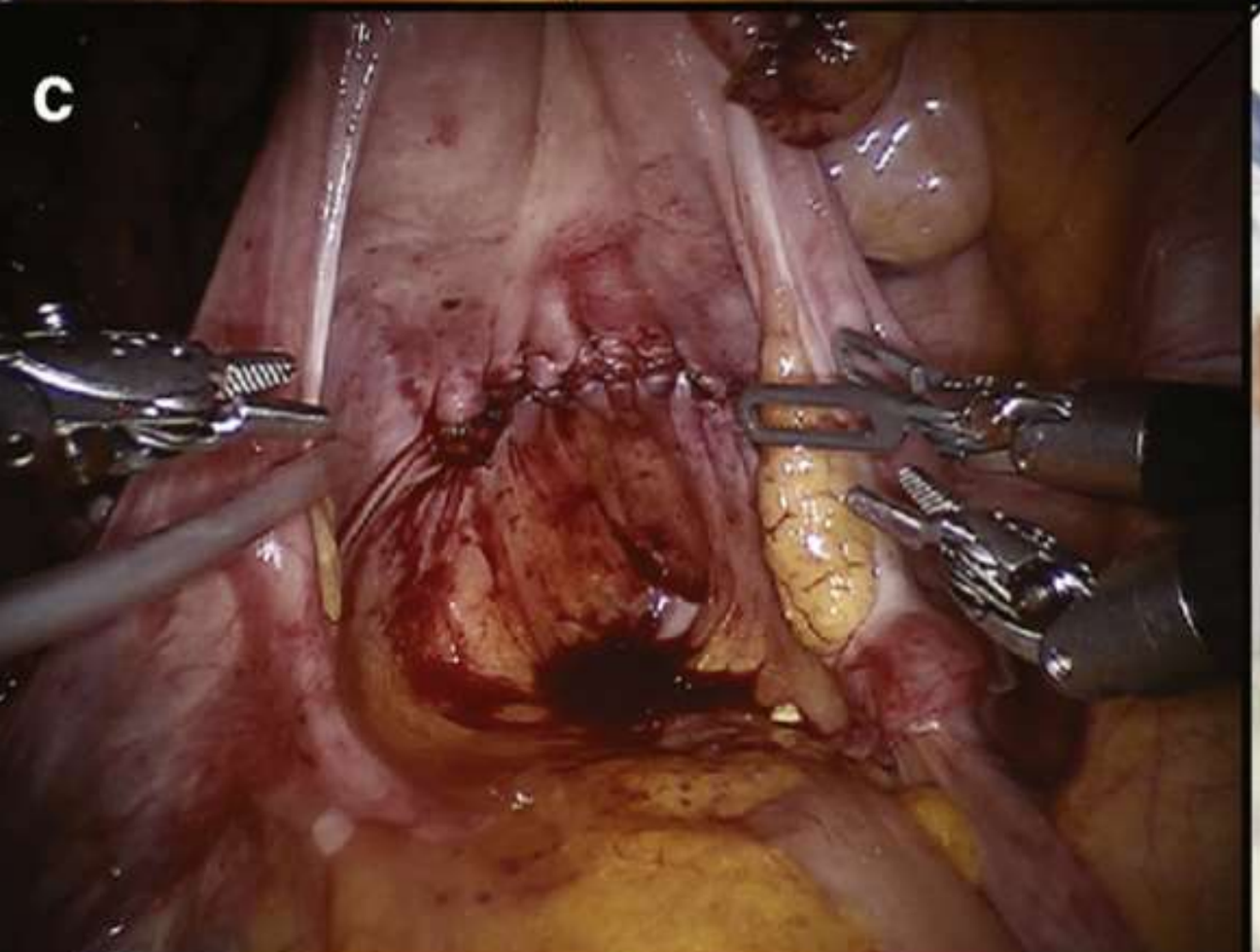
Research Letters

Totally Robotic Approach with Transvaginal Insertion for Kidney Transplantation

Nicolas Doumerc *, *Mathieu Roumiguié*, *Pascal Rischmann*, *Fédérico Sallusto*


a


b


c


d

2015

TRANSPLANT INTERNATIONAL

Transplant International ISSN 0934-0874

LETTER TO THE EDITORS

A new surgical area opened in renal transplantation: a pure robot-assisted approach for both living donor nephrectomy and kidney transplantation using transvaginal route

doi:10.1111/tri.12678


(c)


(d)

2016

Obesity Surgery
April 2017, Volume 27, Issue 4, pp 1056–1057 | Cite as

Robotic Kidney Transplantation for Morbidly Obese Patients Excluded from Traditional Transplantation

Authors | Authors and affiliations

N. Doumerc, M. Roumiguie, J. B. Beauval, M. Soulie, P. Rischmann, N. Kamar, F. Sallusto

Transplantation Rénale Robotique en Europe

European Robotic Urologic Section / Robotic Assisted Kidney Transplantation

- **Fundacio Puigvert, Barcelona, Spain**
- **Bakirkoy Sadi Konuk Training and Research Hospital Center, Turkey**
- **Hospital Clinic, Barcelona, Spain**
- **University Hospital of Rangueil, Toulouse, France**
- **University Hospital Halle (Saale), Halle, Germany**
- **Ghent University Hospital, Ghent, Belgium**
- **University Saarland, Homburg/Saar, Germany**
- **University of Florence, Careggi Hospital Florence, Italy**

EUROPEAN UROLOGY 73 (2018) 273–281

available at www.sciencedirect.com
journal homepage: www.europeanurology.com

European Association of Urology

Platinum Priority – Renal Disease

Editorial by Akshay Sood and Mani Menon on pp. 282–283 of this issue

Robot-assisted Kidney Transplantation: The European Experience

Alberto Breda [a,*], ***Angelo Territo*** [a], ***Luis Gausa*** [a], ***Volkan Tuğcu*** [b], ***Antonio Alcaraz*** [c], ***Mireia Musquera*** [c], ***Karel Decaestecker*** [d], ***Liesbeth Desender*** [e], ***Michael Stockle*** [f], ***Martin Janssen*** [f], ***Paolo Fornara*** [g], ***Nasreldin Mohammed*** [g], ***Giampaolo Siena*** [h], ***Sergio Serni*** [h], ***Luis Guirado*** [i], ***Carma Facundo*** [i], ***Nicolas Doumerc*** [j]

[a] *Department of Urology, Fundaciò Puigvert, Autonoma University of Barcelona, Barcelona, Spain;* [b] *Department of Urology, Bakirkoy Dr. Sadi Konuk Training and Research Hospital, Istanbul, Turkey;* [c] *Department of Urology, Hospital Clinic, Barcelona, Spain;* [d] *Department of Urology, Ghent University Hospital, Ghent, Belgium;* [e] *Department of Thoracic and Vascular Surgery, Ghent University Hospital, Ghent, Belgium;* [f] *Department of Urology, University Saarland, Homburg/Saar, Germany;* [g] *Department of Urology, University Hospital Halle (Saale), Halle, Germany;* [h] *Department of Urology, University of Florence, Careggi Hospital, Florence, Italy;* [i] *Department of Nephrology, Fundaciò Puigvert, Autonoma University of Barcelona, Barcelona, Spain;* [j] *Department of Urology and Renal Transplantation, University Hospital of Rangueil, Toulouse, France*

Conclusions: When performed by surgeons with robotic and KT experience, RAKT is safe and reproducible in selected cases and yields excellent graft function.
Patient summary: We present the largest reported series on robot-assisted kidney transplantation. Use of a robotic technique can yield low complication rates, rapid recovery, and excellent graft function. Further investigations need to confirm our promising data.

Un peu de technique chirurgicale…

Prudhomme et al., EMC, 2019

Prélèvement et transplantation rénale chez le donneur vivant par laparoscopie robot-assistée

T. Prudhomme, M. Roumiguié, F. Sallusto, N. Doumerc

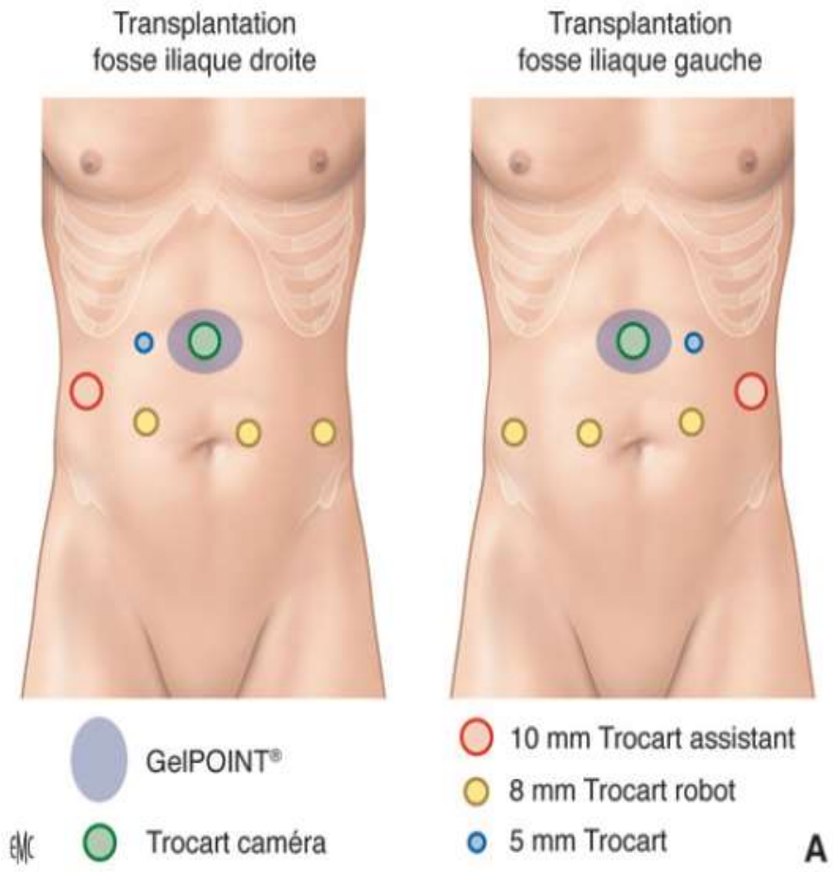
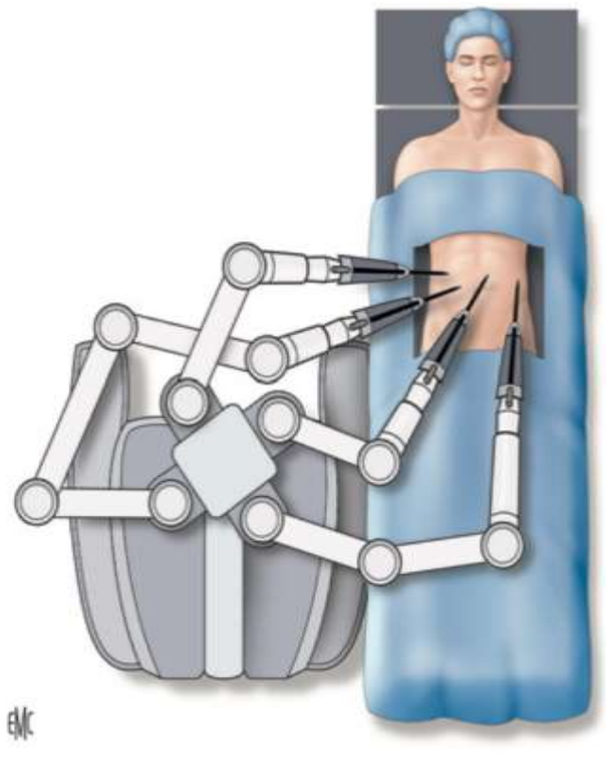
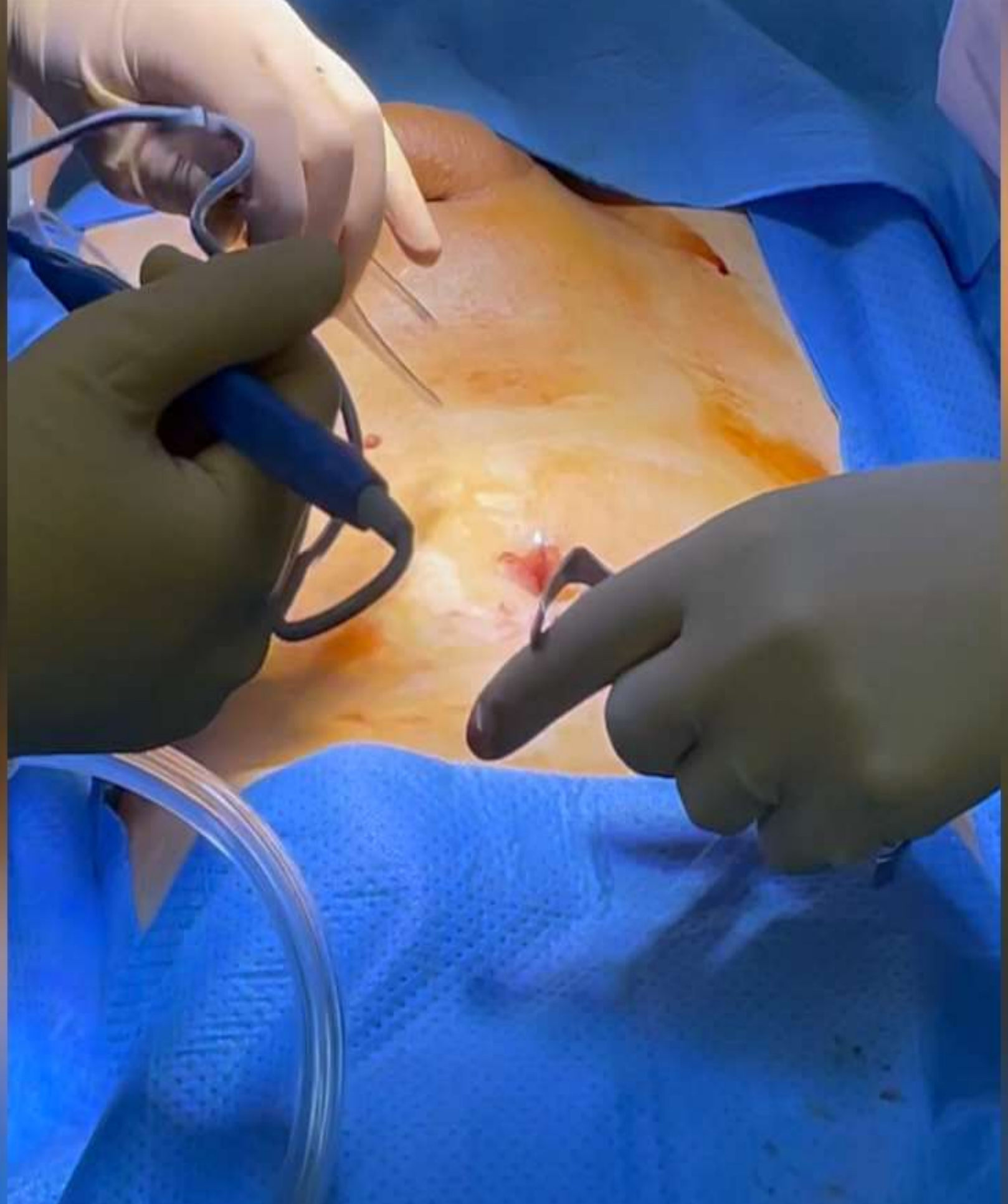


Figure 10. Positionnement des trocarts pour la transplantation rénale cœlioscopique robot-assistée (A, B).



A PURE ROBOTIC APPROACH FOR BOTH LIVING DONOR NEPHRECTOMY AND KIDNEY TRANSPLANTATION

TRANSVAGINAL ROUTE



EAU24 | PARIS, FRANCE
5-8 April 2024

Hôpitaux de Toulouse

Orthotopic robot-assisted laparoscopic kidney transplantation with living donor: First case

Ibrahim Al-Emadi, Thomas Prudhomme, Federico Sallusto, Anne-Laure Hebral, Severine Lagarde, Matthieu Thoulouzan, Xavier Game, Nassim Kamar, Michel Soulie, Mathieu Roumiguie, Nicolas Doumerc

Transplantation rénale robot-assistée: Vers un nouveau standard ?

Les limites…

Patient : calcifications, ATCD chirurgicaux

Chirurgien: formation, disponibilité

Outil: accès, coût, équipes dédiées

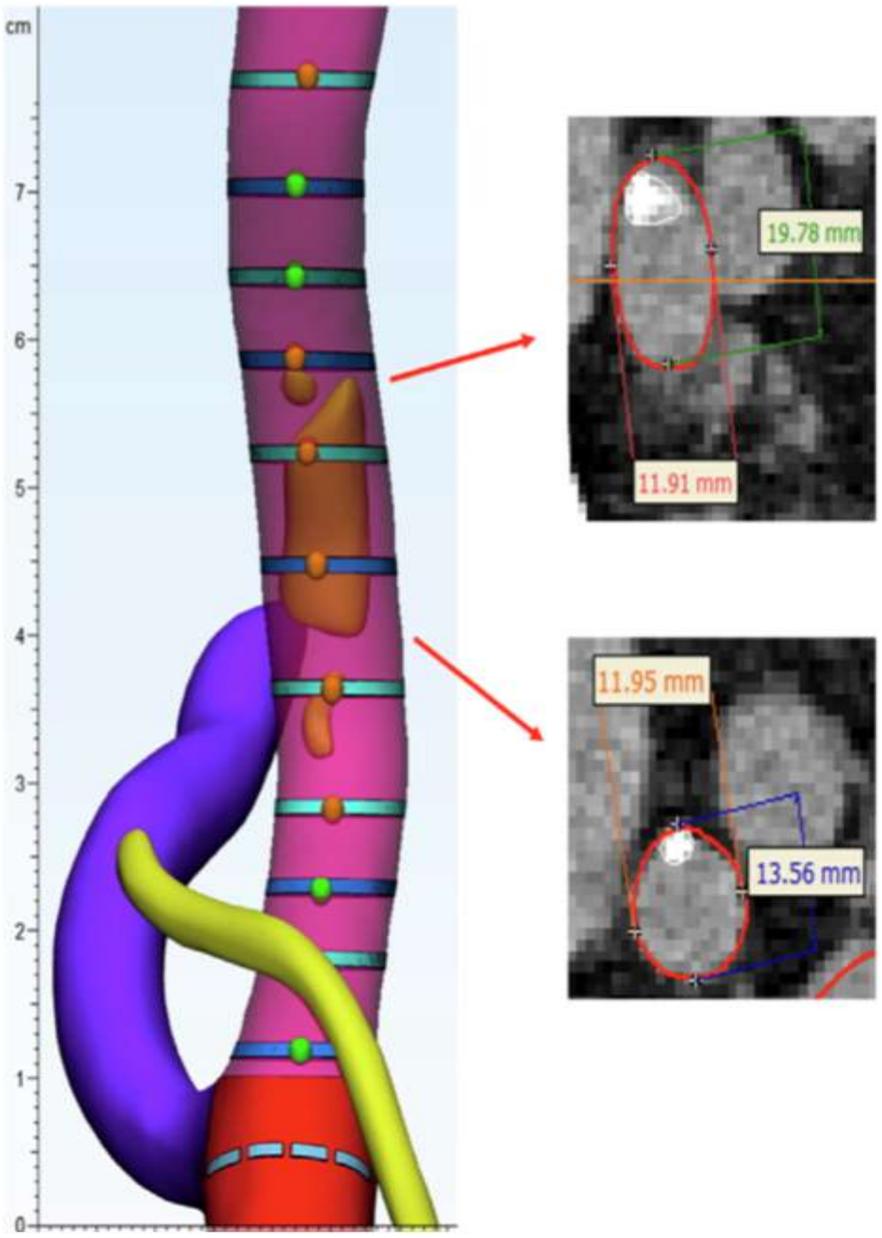
Conclusions et perspectives…

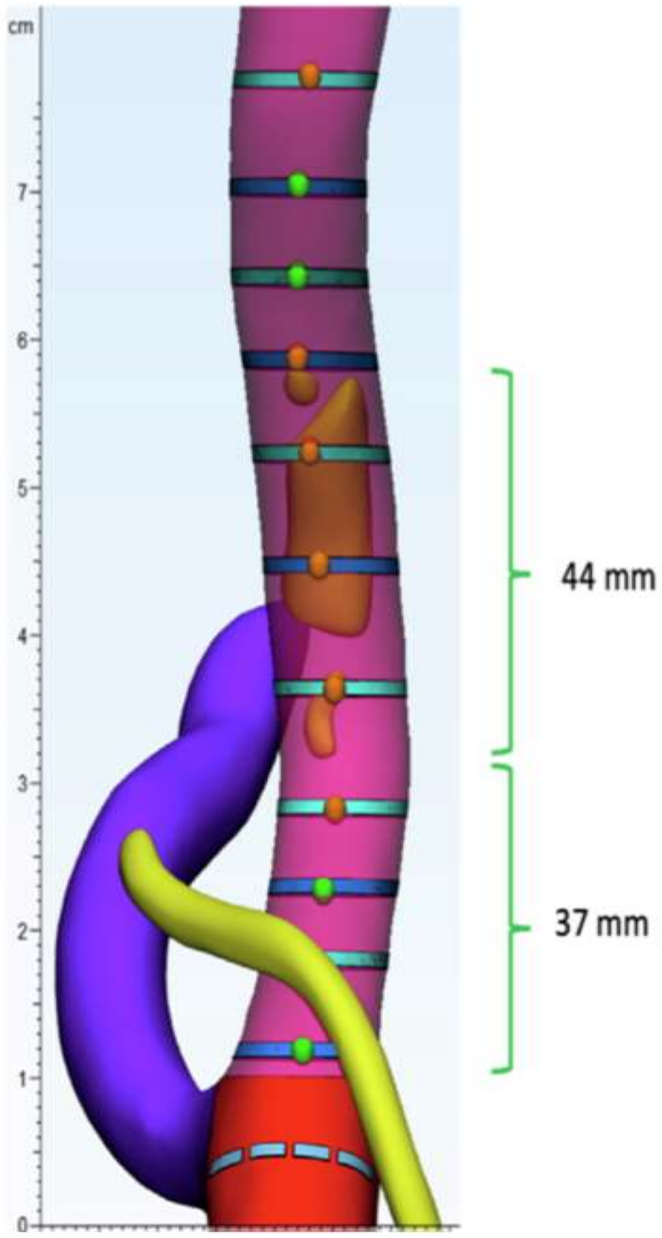
Innovation
Expertise
Attractivité

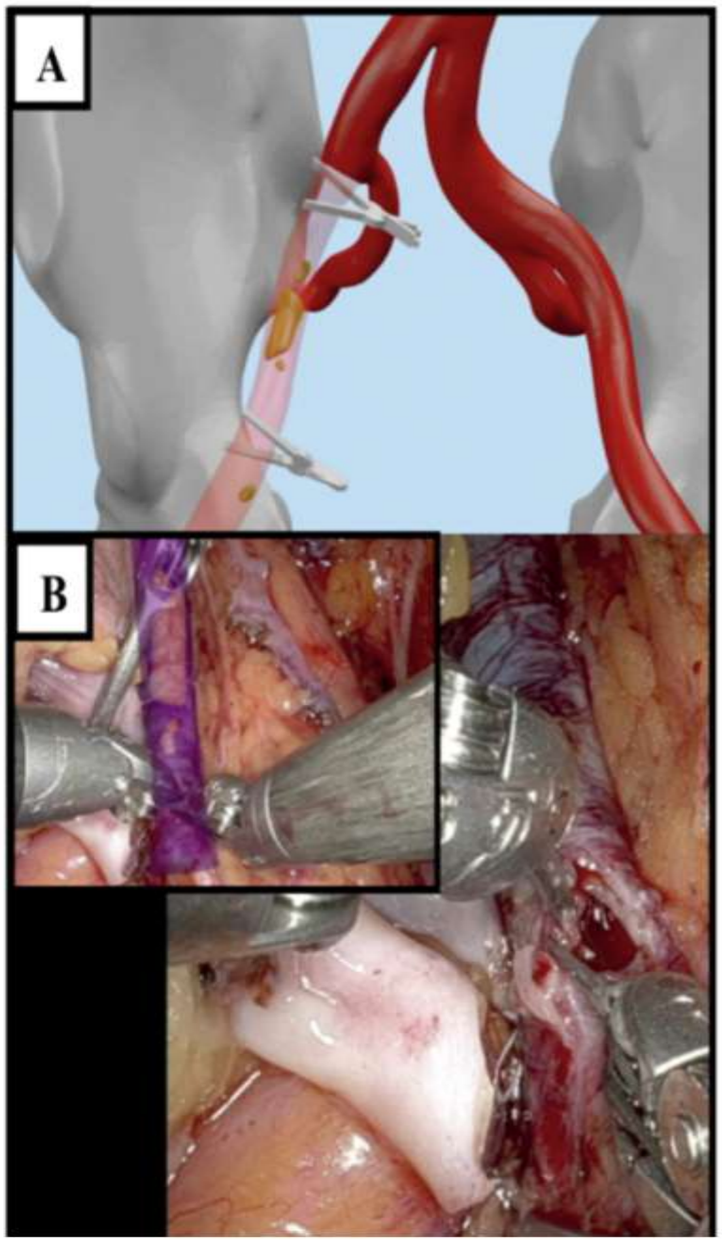
RAKT– Future ?

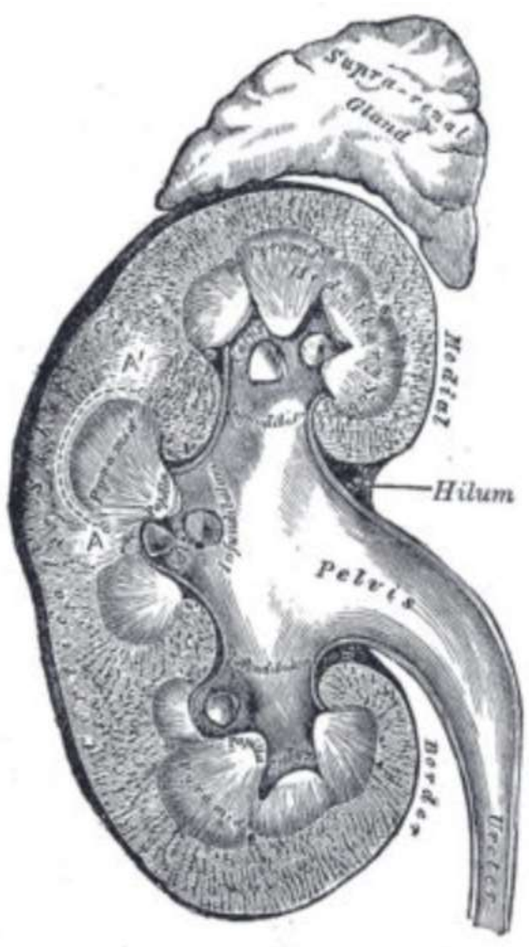
Three-dimensional Augmented Reality–guided Robotic-assisted Kidney Transplantation: Breaking the Limit of Atheromatic Plaques

A. Piana et al, Eur Urol, **2022**









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