

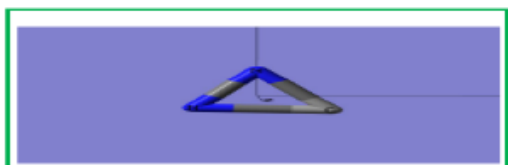


Journal of Applicable Chemistry

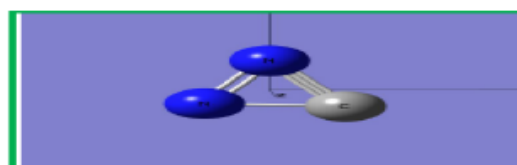
2024, 13 (4): 572-593
(International Peer Reviewed Journal)



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Urology/Nephrology

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**Dedicated to Smt. R. Lalitha Kumari (wife of RSR)
on her seventieth birth anniversary**

Urology Nephrology			2022-01
Subcutaneous testosterone enanthate-autoinjector: Assessment of its post-market safety and efficacy profiles			Ti
The Journal of Sexual Medicine, 19 (2022) S146-S147 https://doi.org/10.1016/j.jsxm.2022.03.590			Jo
E. Choi and P. Xu and F. El-Khatib and P. Kavoussi and F. Yafi			Au

Urology Nephrology			2024-02
Calidad de información de ChatGPT, BARD y Copilot acerca de patología urológica en inglés y en español			Ti
Actas Urológicas Españolas, 2024 https://doi.org/10.1016/j.acuro.2023.12.002			Jo
J.J. Szczesniewski and A. {Ramoso Alba} and P.M. {Rodríguez Castro} and M.F. {Lorenzo Gómez} and J. {Sainz González} and L. {Llanes González}			Au
Inteligencia artificial, Calidad de información, ChatGPT, Copilot, BARD, Urología, Artificial intelligence, Information quality, ChatGPT, Copilot, BARD, Urology			Keywords

Urology Nephrology			2024-03
Artificial Intelligence: Ready To Pass the European Board Examinations in Urology?			Ti
European Urology Open Science, 60 (2024) 44-46 https://doi.org/10.1016/j.euros.2024.01.002			Jo
Benoît Mesnard and Aurélie Schirmann and Julien Branchereau and Ophélie Perrot and Guy Bogaert and Yann Neuzillet and Thierry Lebret and François-Xavier Madec			Au
Artificial intelligence, Urology, Urology degree, Clinical reasoning			Keywords

Urology Nephrology			2022-04
Artificial Intelligence in Acute Kidney Injury Prediction			Ti
Advances in Chronic Kidney Disease, 29(2022)450-460 https://doi.org/10.1053/j.ackd.2022.07.009			Jo
Tushar Bajaj and Jay L. Koyner			Au
Acute kidney injury, Risk prediction, Artificial intelligence, Machine learning, Renal replacement therapy			Keywords

Urology Nephrology			202-05
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ChatGPT Performance on the American Urological Association Self-assessment Study Program and the Potential Influence of Artificial Intelligence in Urologic Training	Ti
Urology, 177(2023)29-33 https://doi.org/10.1016/j.urology.2023.05.010	Jo
Nicholas A. Deebel and Ryan Terlecki	Au

Urology Nephrology			2023-06
A Comparative Analysis of Chatgpt Vs Expert in Managing Anticancer Drug in Patients Renal Insufficiency			Ti
Blood, 142(2023)7186 https://doi.org/10.1182/blood-2023-180583			Jo
Nicolas Janus			Au

Urology Nephrology			2022-07
From diagnosis to post-treatment: biopsychosocial predictors of sexual and mental health in prostate cancer survivors			Ti
The Journal of Sexual Medicine, 19 (2022)1743-6095 https://doi.org/10.1016/j.jsxm.2022.08.171			Jo
Rita Castro and Sandra Aguiar and Sonia Pieramico and Prof. Joana Carvalho and Ana Q. Gomes and Prof. Pedro J. Nobre			Au

Urology Nephrology			2024-08
Enhancing kidney disease prediction with optimized forest and ECG signals data			Ti
Heliyon, 10(2024) e30792 https://doi.org/10.1016/j.heliyon.2024.e30792			Jo
Muhammad Binsawad			Au
Electrocardiogram (ECG), Optimized forest, Chronic kidney disease (CKD), Feature extraction			Keywords

Urology Nephrology			2023-09
Potential Applications of New Headsets for Virtual and Augmented Reality in Urology			Ti
European Urology Focus, 2023 https://doi.org/10.1016/j.euf.2023.12.003			Jo
Fabio Zattoni and Filippo Carletti and Gianmarco Randazzo and Arianna Tuminello and Giovanni Betto and Giacomo Novara and Fabrizio {Dal Moro}			Au
Virtual reality, Augmented reality, Medical enhanced virtual reality, Artificial intelligence, Metaverse, Urology			Keywords

Urology Nephrology			2021-10
The Growing Role for Semantic Segmentation in Urology			Ti
European Urology Focus, 7(2021)692-695 https://doi.org/10.1016/j.euf.2021.07.017			Jo

Jack Rickman and Griffin Struyk and Benjamin Simpson and Benjamin C. Byun and Nikolaos Papanikolopoulos	Au
Semantic segmentation, Cross-sectional imaging, Magnetic resonance imaging, Computed tomography, Radiomics, Gleason score, Fuhrman grade, Simulation, Training, Augmented reality, Machine learning	Keywords

Urology Nephrology			2023-11
Natural language processing in urology: Automated extraction of clinical information from histopathology reports of uro-oncology procedures			Ti
Heliyon, 9(2023) e14793 https://doi.org/10.1016/j.heliyon.2023.e14793			Jo
Honghong Huang and Fiona Xin Yi Lim and Gary Tianyu Gu and Matthew Jiangchou Han and Andrew Hao Sen Fang and Elian Hui San Chia and Eileen Yen Tze Bei and Sarah Zhuling Tham and Henry Sun Sien Ho and John Shyi Peng Yuen and Aixin Sun and Jay Kheng Sit Lim			Au
Natural language processing, Uro-oncology histology reports, Deep learning, Machine learning, Cancer registry			Keywords

Urology Nephrology			2021-12
Novel Liquid Biomarkers and Innovative Imaging for Kidney Cancer Diagnosis: What Can Be Implemented in Our Practice Today? A Systematic Review of the Literature			Ti
European Urology Oncology, 4(2021) 22-41 https://doi.org/10.1016/j.euo.2020.12.011			Jo
Riccardo Campi and Grant D. Stewart and Michael Staehler and Saeed Dabestani and Markus A. Kuczyk and Brian M. Shuch and Antonio Finelli and Axel Bex and Börje Ljungberg and Umberto Capitanio			Au
Biomarkers, Diagnosis, Imaging, Radiomics, Renal cell carcinoma, Screening			Keywords

Urology Nephrology			2024-13
AI-powered real-time annotations during urologic surgery: The future of training and quality metrics			Ti
Urologic Oncology: Seminars and Original Investigations, 42(2024)57-66 https://doi.org/10.1016/j.urolonc.2023.11.002			Jo
Laura Zuluaga and Jordan Miller Rich and Raghav Gupta and Adriana Pedraza and Burak Ucpinar and Kennedy E. Okhawere and Indu Saini and Priyanka Dwivedi and Dhruvi Patel and Osama Zaytoun and Mani Menon and Ashutosh Tewari and Ketan K. Badani			Au
Robotics, Artificial intelligence, Surgical steps			Keywords

Urology Nephrology			2023-14
A0689 - Adopting machine vision augmentation to detect detrusor instability in overactive bladder: A frontier of artificial intelligence application in functional urology			Ti
European Urology, 83(2023) S970 https://doi.org/10.1016/S0302-2838(23)00733-9			Jo
Y.G. Tan and S. Woo and Y.J Yong and M.K.F. Wong and J. Ajith and L.G. Ng			Au

Urology Nephrology			2021-15
A systematic review of the automatic kidney segmentation methods in abdominal images			Ti
Biocybernetics and Biomedical Engineering, 41(2021)1601-1628 https://doi.org/10.1016/j.bbe.2021.10.006			Jo
Mohit Pandey and Abhishek Gupta			Au
CT segmentation, Kidney segmentation, Deep learning frameworks, Volumetric segmentation, Automatic kidney segmentation			Keywords

Urology Nephrology			2024-16
A transfer learning framework to elucidate the clinical relevance of altered proximal tubule cell states in kidney disease			Ti
iScience, 27(2024) 109271 https://doi.org/10.1016/j.isci.2024.109271			Jo
David Legouis and Anna Rinaldi and Daniele Malpetti and Gregoire Arnoux and Thomas Verissimo and Anna Faivre and Francesca Mangili and Andrea Rinaldi and Lorenzo Ruinelli and Jerome Pugin and Solange Moll and Luca Clivio and Marco Bolis and Sophie {de Seigneux } and Laura Azzimonti and Pietro E. Cippà			Au
Cell biology, Integrative aspects of cell biology, Transcriptomics, Machine learning			Keywords

Urology Nephrology			2020-17
Evaluating patient flow in the operating theater: An exploratory data analysis of length of stay components			Ti
Informatics in Medicine Unlocked, 19(2020)100354 https://doi.org/10.1016/j.imu.2020.100354			Jo
Nader Markazi-Moghaddam and Sanaz Zargar Balaye Jame and Ehsan Tofghi			Au
Surgical theater, Patient flow, Length of stay, Operating room, Machine learning, Hospital			Keywords

Urology Nephrology			2024-18
Re: Benoît Mesnard, Aurélie Schirmann, Julien Branchereau, et al. Artificial Intelligence: Ready To Pass the European Board Examinations in Urology? EurUrol Open Sci 2024;60:44–6			Ti
European Urology Open Science, 65(2024)2666-1683 https://doi.org/10.1016/j.euros.2024.04.002			Jo
HinpetchDaungsupawong and VirojWiwanitkit			Au

Urology Nephrology			2021-19
Sensor-based indicators of performance changes between sessions during robotic surgery training			Ti
Applied Ergonomics, 90(2021)103251 https://doi.org/10.1016/j.apergo.2020.103251			Jo

Chuhao Wu and Jackie Cha and Jay Sulek and Chandru P. Sundaram and Juan Wachs and Robert W. Proctor and Denny Yu	Au
Robotic surgery, Eye tracking, Electroencephalogram, Simulated training, Performance	Keywords

Urology Nephrology			2024-20
Artificial Intelligence in Pediatric Urology			Ti
Urologic Clinics of North America, 51(2024)91-103 https://doi.org/10.1016/j.ucl.2023.08.002			Jo
Hsin-Hsiao { Scott Wang } and Ranveer Vasdev and Caleb P. Nelson			Au
Artificial intelligence, Machine learning, Prediction, Model, Algorithm, Pediatric urology			Keywords

Urology Nephrology			2020-21
Identifying scenarios of benefit or harm from kidney transplantation during the COVID-19 pandemic: A stochastic simulation and machine learning study			Ti
American Journal of Transplantation, 20(2020)2997-3007 https://doi.org/10.1111/ajt.16117			Jo
Allan B. Massie and Brian J. Boyarsky and William A. Werbel and Sunjae Bae and Eric K.H. Chow and Robin K. Avery and Christine M. Durand and Niraj Desai and Daniel Brennan and Jacqueline M. Garonzik-Wang and Dorry L. Segev			Au
clinical research/practice, infection and infectious agents, kidney transplantation/nephrology, Scientific Registry for Transplant Recipients (SRTR)			Keywords

Urology Nephrology			2023-22
VGG16-based intelligent image analysis in the pathological diagnosis of IgA nephropathy			Ti
Journal of Radiation Research and Applied Sciences, 16(2023) 100626 https://doi.org/10.1016/j.jrras.2023.100626			Jo
Ying Chen and Yinyin Chen and Shuangshuang Fu and Wei Yin and Kanghan Liu and Shuyi Qian			Au
IgA nephropathy, VGG16, Immunofluorescence, Intelligent image analysis, Deep learning			Keywords

Urology Nephrology			2021-23
Artificial intelligence and simulation in urology			Ti
ActasUrológicasEspañolas (English Edition), 45(2021) 524-529 https://doi.org/10.1016/j.acuroe.2021.07.001			Jo
J. {Gómez Rivas} and C. {Toribio Vázquez} and C. {Ballesteros Ruiz} and M. Taratkin and J.L. Marengo and G.E. Cacciamani and E. Checcucci and Z. Okhunov and D. Enikeev and F. Esperto and R. Grossmann and B. Somani and D. Veneziano			Au
Artificial intelligence, Machine learning, Training, Urology, Inteligencia artificial, Aprendizajeautomático, Entrenamiento, Urología			Keywords

Urology Nephrology			2023-24
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PE100 - Beyond human capabilities: The potential of AI in robotic urology		Ti
European Urology Open Science, 55(2023) S156 https://doi.org/10.1016/S2666-1683(23)00515-3		Jo
G. Shaker		Au

Urology Nephrology			2023-25
Advances in Chronic Kidney Disease Lead Editorial Outlining the Future of Artificial Intelligence/Machine Learning in Nephrology			Ti
Advances in Kidney Disease and Health, 30(2023) 2-3 https://doi.org/10.1053/j.akdh.2022.11.008			Jo
Peter Kotanko and Girish N. Nadkarni			Au

Urology Nephrology			2021-26
Inteligencia artificial y simulación en urología			Ti
Actas Urológicas Españolas, 45(2021)524-529 https://doi.org/10.1016/j.acuro.2020.10.012			Jo
J. {Gómez Rivas} and C. {Toribio Vázquez} and C. {Ballesteros Ruiz} and M. Taratkin and J.L. Marengo and G.E. Cacciamani and E. Checcucci and Z. Okhunov and D. Enikeev and F. Esperto and R. Grossmann and B. Somani and D. Veneziano			Au
Inteligencia artificial, Aprendizaje automático, Entrenamiento, Urología, Artificial intelligence, Machine learning, Training, Urology			Keywords

Urology Nephrology			2022-27
Recent Advances and Future Perspectives in the Use of Machine Learning and Mathematical Models in Nephrology			Ti
Advances in Chronic Kidney Disease, 29(2022)472-479 https://doi.org/10.1053/j.ackd.2022.07.002			Jo
Paulo Paneque Galuzio and Alhaji Cherif			Au
Mathematical models, Physiology-based dynamic modeling, Machine learning, Acute kidney injury (AKI), ESRD			Keywords

Urology Nephrology			2022-28
Why are pediatric urologists unable to predict renal deterioration using urodynamics? A focused narrative review of the shortcomings of the literature			Ti
Journal of Pediatric Urology, 18(2022)493-498 https://doi.org/10.1016/j.jpuro.2022.05.015			Jo
J.K. Weaver and D.A. Weiss and A. Aghababian and A.L. Smith and J. {Van Batavia} and C.J. Long and G.E. Tasian and S.A. Zderic			Au
Neurogenic bladder, Urodynamics, Spina bifida, Pediatric urology			Keywords

Urology			2024-29
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Nephrology			
Evaluating the performance of ChatGPT in answering questions related to pediatric urology			Ti
Journal of Pediatric Urology, 20(2024) 26.e1-26.e5 https://doi.org/10.1016/j.jpuro.2023.08.003			Jo
Ufuk Caglar and Oguzhan Yildiz and Arda Meric and Ali Ayranci and Mucahit Gelmis and Omer Sarilar and Faruk Ozgor			Au
Artificial intelligence, Health literacy, Patient knowledge, Pediatric urology			Keywords

Urology Nephrology			2023-30
A Pilot Study Evaluating a Virtual Reality-Based Nontechnical Skills Training Application for Urology Trainees: Usability, Acceptability, and Impact			Ti
Journal of Surgical Education, 80(2023) 1836-1842 https://doi.org/10.1016/j.jsurg.2023.08.012			Jo
Matthew Pears and Mark Rochester and Karan Wadhwa and Stephen R Payne and Stathis Konstantinidis and Vishwanath Hanchanale and Mamoun Hamid Elmamoun and Chandra Shekhar Biyani and Ruth Doherty			Au
nontechnical skills, virtual reality, surgical education, urology, human factors			Keywords

Urology Nephrology			2023-31
Caution! AI Bot Has Entered the Patient Chat: ChatGPT Has Limitations in Providing Accurate Urologic Healthcare Advice			Ti
Urology, 180(2023)278-284 https://doi.org/10.1016/j.urology.2023.07.010			Jo
Bristol B. Whiles and Vincent G. Bird and Benjamin K. Canales and John M. DiBianco and Russell S. Terry			Au

Urology Nephrology			2022-32
Evaluation of clinical named entity recognition methods for Serbian electronic health records			Ti
International Journal of Medical Informatics, 164(2022)104805 https://doi.org/10.1016/j.ijmedinf.2022.104805			Jo
Aleksandar Kaplar and Milan Stošović and Aleksandra Kaplar and Voin Brković and Radomir Naumović and Aleksandar Kovačević			Au
Clinical named entity recognition, BERT, Transformers, Electronic health records, Serbian language			Keywords

Urology Nephrology			2020-33
Applications médicales de l'intelligence artificielle : opportunités & challenges			Ti
Progrès en Urologie – FMC, 30(2020) F63-F68 https://doi.org/10.1016/j.jpuro.2020.02.001			Jo

M. Durand and A. Shaikh and M. Billi and E. Lechevallier	Au
Intelligence artificielle, , algorithmes, IRM prostate, Cancer de prostate, Artificial intelligence, Machine learning, Deep learning, Algorithm, Prostate MRI, Prostate cancer	Keywords

Urology Nephrology			2022-34
Deep Learning-based Recalibration of the CUETO and EORTC Prediction Tools for Recurrence and Progression of Non-muscle-invasive Bladder Cancer			Ti
European Urology Oncology, 5(2022) 109-112 https://doi.org/10.1016/j.euo.2021.05.006			Jo
Mateusz Jobczyk and Konrad Stawiski and Marcin Kaszkowiak and Paweł Rajwa and Waldemar Różański and Francesco Soria and Shahrokh F. Shariat and Wojciech Fendler			Au
Non-muscle-invasive bladder cancer, Deep learning, Nomogram, Prediction, Data mining			Keywords

Urology Nephrology			2023-35
Quo Vadis Hyperpolarized 13C MRI?			Ti
Zeitschrift für Medizinische Physik, 2023 https://doi.org/10.1016/j.zemedi.2023.10.004			Jo
Pascal Wodtke and Martin Grashei and Franz Schilling			Au
Hyperpolarization, carbon-13, Magnetic Resonance Imaging, Molecular Imaging, PHIP, DNP, SABRE, Hyperpolarized C MRI			Keywords

Urology Nephrology			2021-36
Deep learning model for automated kidney stone detection using coronal CT images			Ti
Computers in Biology and Medicine, 135(2021) https://doi.org/10.1016/j.combiomed.2021.104569			Jo
Kadir Yildirim and Pinar Gundogan Bozdag and Muhammed Talo and Ozal Yildirim and Murat Karabatak and U.Rajendra Acharya			Au
Kidney stone, Medical image, Deep learning, Computed tomography			Keywords

Urology Nephrology			2022-37
Machine Learning for Urodynamic Detection of Detrusor Overactivity			Ti
Urology, 159(2022) 247-254 https://doi.org/10.1016/j.urology.2021.09.027			Jo
Kevin T. Hobbs and Nathaniel Choe and Leonid I. Aksenov and Lourdes Reyes and Wilkins Aquino and Jonathan C. Routh and James A. Hokanson			Au

Urology Nephrology			2024-38
Artificial Intelligence in Urology: The Final Frontier?			Ti
Urologic Clinics of North America, 51(2024) xi-xii https://doi.org/10.1016/j.ucl.2023.08.004			Jo

Kevin R. Loughlin	Au
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Urology Nephrology			2021-39
Machine Learning Applications in Nephrology: A Bibliometric Analysis Comparing Kidney Studies to Other Medicine Subspecialties			Ti
Kidney Medicine, 3(2021) 762-767 https://doi.org/10.1016/j.xkme.2021.04.012			Jo
Ashish Verma and Vipul C. Chitalia and Sushrut S. Waikar and Vijaya B. Kolachalama			Au
Bibliometric analysis, kidney, machine learning, NIH funding, research methods			Keywords

Urology Nephrology			2021-40
A Call for an Ethics and Governance Action Plan to Harness the Power of Artificial Intelligence and Digitalization in Nephrology			Ti
Seminars in Nephrology, 41(2021) 282-293 https://doi.org/10.1016/j.semnephrol.2021.05.009			Jo
Calvin Wai-Loon Ho and Karel Caals			Au
Artificial intelligence, digitalization, learning health system, ethics, governance, regulation, big data			Keywords

Urology Nephrology			2024-41
UP20 - Artificial intelligence in urology: Impact and limitations of ChatGTP in the management of uro-oncological diseases			Ti
European Urology Open Science, 59(2024) S130 https://doi.org/10.1016/S2666-1683(24)00117-4			Jo
G. {La Bombarda} and F. Zattoni and G. Novara and A. Morlacco and G. Betto and F. {Dal Moro			Au

Urology Nephrology			2021-42
A systematic review on artificial intelligence in robot-assisted surgery			Ti
International Journal of Surgery, 95(2021) 106151 https://doi.org/10.1016/j.ijssu.2021.106151			Jo
Andrea Moglia and Konstantinos Georgiou and Evangelos Georgiou and Richard M. Satava and Alfred Cuschieri			Au
Artificial intelligence robot-assisted surgery, Artificial intelligence robotic surgery, Machine learning robot-assisted surgery, Deep learning robot-assisted surgery, Computer vision robotic surgery, Urology robotic surgery, General surgery robot surgery			Keywords

Urology Nephrology			2024-43
Urological Cancers and ChatGPT: Assessing the Quality of Information and Possible Risks for Patients			Ti

Clinical Genitourinary Cancer, 22(2024)454-457.e4 https://doi.org/10.1016/j.clgc.2023.12.017	Jo
Faruk Ozgor and Ufuk Caglar and Ahmet Halis and Hakan Cakir and Ufuk Can Aksu and Ali Ayranci and Omer Sarilar	Au
Artificial intelligence, ChatGPT, Global quality score, Information sources, Urooncology	Keywords

Urology Nephrology			2021-44
Nephrology Lagging Behind in Machine Learning Utilization			Ti
Kidney Medicine, 3(2021) 693-695 https://doi.org/10.1016/j.xkme.2021.08.004			Jo
Clarissa Cassol and Shree Sharma			Au

Urology Nephrology			2020-45
Artificial intelligence and machine learning in nephropathology			Ti
Kidney International, 98(2020)65-75 https://doi.org/10.1016/j.kint.2020.02.027			Jo
Jan U. Becker and David Mayerich and Meghana Padmanabhan and Jonathan Barratt and Angela Ernst and Peter Boor and Pietro A. Cicalese and Chandra Mohan and Hien V. Nguyen and Badrinath Roysam			Au
artificial intelligence, computer, convolutional neural network, image recognition, nephropathology			Keywords

Urology Nephrology			2021-46
“The Algorithm Will See You Now”: The Role of Artificial (and Real) Intelligence in the Future of Urology			Ti
European Urology Focus, 7(2021) 669-671 https://doi.org/10.1016/j.euf.2021.07.010			Jo
Nicholas Heller and Christopher Weight			Au

Urology Nephrology			2021-47
Current Trends in Artificial Intelligence Application for Endourology and Robotic Surgery			Ti
Urologic Clinics of North America, 48(2021)151-160 https://doi.org/10.1016/j.ucl.2020.09.004			Jo
Timothy C. Chang and Caleb Seufert and OkyazEminaga and Eugene Shkolyar and Jim C. Hu and Joseph C. Liao			Au
Artificial intelligence, Urology, Deep learning, Endourology			Keywords

Urology Nephrology			2023-48
Deep Learning for Image Analysis in Kidney Care			Ti

Advances in Kidney Disease and Health, 30(2023)25-32 https://doi.org/10.1053/j.akdh.2022.11.003	Jo
Hanjie Zhang and Max Botler and Jeroen P. Kooman	Au
Deep learning, CNN, U-Net, Image analysis, Nephrology	Keywords

Urology Nephrology			2020-49
Intraoperative Adverse Incident Classification (EAUiaiC) by the European Association of Urology ad hoc Complications Guidelines Panel			Ti
European Urology, 77(2020)601-610 https://doi.org/10.1016/j.eururo.2019.11.015			Jo
Chandra Shekhar Biyani and Jakub Pecanka and Morgan Rouprêt and Jørgen Bjerggaard Jensen and Dionysios Mitropoulos			Au
Complications, Intraoperative, Standardisation, Urology, Surgery			Keywords

Urology Nephrology			2022-50
Natural Language Processing in Nephrology			Ti
Advances in Chronic Kidney Disease, 29(2022)465-471 https://doi.org/10.1053/j.ackd.2022.07.001			Jo
Tielman T. {Van Vleck} and Douglas Farrell and Lili Chan			Au
NLP, Nephrology, Machine learning			Keywords

Urology Nephrology			2021-51
Application of a novel machine learning framework for predicting non-metastatic prostate cancer-specific mortality in men using the Surveillance, Epidemiology, and End Results (SEER) database			Ti
The Lancet Digital Health, 3(2021) e158-e165 https://doi.org/10.1016/S2589-7500(20)30314-9			Jo
Changhee Lee and Alexander Light and Ahmed Alaa and David Thurtle and Mihaela {van der Schaar} and Vincent J Gnanaprasam			Au

Urology Nephrology			2024-52
Quality of information about urologic pathology in English and Spanish from ChatGPT, BARD, and Copilot			Ti
ActasUrológicasEspañolas (English Edition), (2024) https://doi.org/10.1016/j.acuroe.2024.02.009			Jo
J.J. Szczesniewski and A. {Ramos Alba} and P.M. {Rodríguez Castro} and M.F. {Lorenzo Gómez} and J. {Sainz González} and L. {Llanes González}			Au
Artificial intelligence, Information quality, ChatGPT, Copilot, BARD, Urology, Inteligencia artificial, Calidad de información, ChatGPT, Copilot, BARD, Urología			Keywords

Urology Nephrology			2022-53
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Machine Learning for Acute Kidney Injury Prediction in the Intensive Care Unit		Ti
Advances in Chronic Kidney Disease,29(2022)431-438 https://doi.org/10.1053/j.ackd.2022.06.005		Jo
Eric R. Gottlieb and Mathew Samuel and Joseph V. Bonventre and Leo A. Celi and Heather Mattie		Au
Machine learning, AKI prediction, ICU Nephrology, Artificial intelligence, Algorithms		Keywords

Urology Nephrology			2024-54
Application of STREAM-URO and APPRAISE-AI reporting standards for artificial intelligence studies in pediatric urology: A case example with pediatric hydronephrosis		Ti	
Journal of Pediatric Urology,(2024) https://doi.org/10.1016/j.jpuro.2024.01.020		Jo	
Adree Khondker and Jethro C.C. Kwong and Mandy Rickard and Lauren Erdman and Jin K. Kim and Ihtisham Ahmad and John Weaver and Nicolas Fernandez and Gregory E. Tasiaan and Girish S. Kulkarni and Armando J. Lorenzo		Au	
Artificial intelligence, Machine learning, Pediatric hydronephrosis, Big data, Personalized medicine		Keywords	

Urology Nephrology			2020-55
Electronic health records for the diagnosis of rare diseases		Ti	
Kidney International, 97(2020)676-686 https://doi.org/10.1016/j.kint.2019.11.037		Jo	
Nicolas Garcelon and Anita Burgun and Rémi Salomon and Antoine Neuraz		Au	
artificial intelligence, education, electronic health record, pediatric nephrology, rare diseases		Keywords	

Urology Nephrology			2022-56
From diagnosis to post-treatment: biopsychosocial predictors of sexual and mental health in prostate cancer survivors		Ti	
The Journal of Sexual Medicine, 19(2022) S78 https://doi.org/10.1016/j.jsxm.2022.10.018		Jo	
Rita Castro and Sandra Aguiar and Sonia Pieramico and Prof. Joana Carvalho and Ana Q. Gomes and Prof. Pedro J. Nobre		Au	

Urology Nephrology			2023-58
A potpourri of pediatric urology: Real artificial intelligence		Ti	
Journal of Pediatric Urology, 19(2023)219-221 https://doi.org/10.1016/j.jpuro.2023.01.016		Jo	
Christopher S. Cooper		Au	

Urology Nephrology			2024-59
Technological Innovations to Improve Patient Engagement in Nephrology		Ti	

Advances in Kidney Disease and Health, 31(2024)28-36 https://doi.org/10.1053/j.akdh.2023.11.001	Jo
Haresh Selvaskandan and Patrick O. Gee and Harish Seethapathy	Au
Technology, Engagement, Empowerment, Artificial intelligence	Keywords

Urology Nephrology			2023-60
Identification of potential biomarkers and therapeutic targets for antineutrophil cytoplasmic antibody-associated glomerulonephritis			Ti
iScience, 26(2023)108157 https://doi.org/10.1016/j.isci.2023.108157			Jo
Yiru Wang and Chenlin Cao and Siyang Liu and Liu Hu and Yueliang Du and YongmanLv and Qingquan Liu			Au
Bioinformatics, Expression study, Machine learning, Nephrology			Keywords

Urology Nephrology			2022-61
Development and validation of a simple web-based tool for early prediction of COVID-19-associated death in kidney transplant recipients			Ti
American Journal of Transplantation, 22(2022)610-625 https://doi.org/10.1111/ajt.16807			Jo
Luis Gustavo {Modelli de Andrade} and Tainá Veras {de Sandes-Freitas} and Lúcio R. Requião-Moura and Laila Almeida Viana and Marina Pontello Cristelli and Valter Duro Garcia and Aline Lima Cunha Alcântara and Ronaldo de Matos Esmeraldo and Mario {Abbud Filho} and Alvaro Pacheco-Silva and Erika Cristina Ribeiro {de Lima Carneiro} and Roberto CerattiManfro and Kellen Micheline Alves Henrique Costa and Denise Rodrigues Simão and Marcos Vinicius {de Sousa} and Viviane Brandão Bandeira de Mello Santana and Irene L. Noronha and Elen Almeida Romão and Juliana Aparecida Zanocco and Gustavo Guilherme Queiroz Arimatea and Deise {De Boni Monteiro de Carvalho} and Helio Tedesco-Silva and José Medina-Pestana			Au
clinical research/practice, complication: infectious, health services and outcomes research, infection and infectious agents - viral, infectious disease, kidney transplantation/nephrology			Keywords

Urology Nephrology			2024-62
Artificial Intelligence in Urology: Current Status and Future Perspectives			Ti
Urologic Clinics of North America, 51(2024)117-130 https://doi.org/10.1016/j.ucl.2023.06.005			Jo
Rayyan Abid and Ahmed A. Hussein and Khurshid A. Guru			Au
Artificial intelligence, Machine learning, Natural language processing, Computer vision			Keywords

Urology Nephrology			2022-63
Developing an ensemble machine learning model for early prediction of sepsis-associated acute kidney injury			Ti
iScience, 25(2022)104932			Jo

https://doi.org/10.1016/j.isci.2022.104932	
Luming Zhang and Zichen Wang and Zhenyu Zhou and Shaojin Li and Tao Huang and Haiyan Yin and Jun Lyu	Au
Medicine, Nephrology, Artificial intelligence	Keywords

Urology Nephrology			2021-64
Digital Pattern Recognition for the Identification and Classification of Hypospadias Using Artificial Intelligence vs Experienced Pediatric Urologist			Ti
Urology, 147(2021)264-269 https://doi.org/10.1016/j.urology.2020.09.019			Jo
Nicolas Fernandez and Armando J. Lorenzo and Mandy Rickard and Michael Chua and Joao L Pippi-Salle and Jaime Perez and Luis H. Braga and Clyde Matava			Au

Urology Nephrology			2024-65
Awareness and Use of ChatGPT and Large Language Models: A Prospective Cross-sectional Global Survey in Urology			Ti
European Urology, 85(2024) 146-153 https://doi.org/10.1016/j.eururo.2023.10.014			Jo
Michael Eppler and Conner Ganjavi and Lorenzo Storino Ramacciotti and Pietro Piazza and Severin Rodler and Enrico Checcucci and Juan {Gomez Rivas} and Karl F. Kowalewski and Ines Rivero Belenchón and Stefano Puliatti and Mark Taratkin and Alessandro Veccia and Loïc Baekelandt and Jeremy Y.-C. Teoh and Bhaskar K. Somani and Marcelo Wroclawski and Andre Abreu and Francesco Porpiglia and Inderbir S. Gill and Declan G. Murphy and David Canes and Giovanni E. Cacciamani			Au
ChatGPT, Large language models, Survey, Global, Urology, OpenAI, Ethics			Keywords

Urology Nephrology			2022-66
Loss of Polycystin-1 causes cAMP-dependent switch from tubule to cyst formation			Ti
iScience, 25(2022) 104359 https://doi.org/10.1016/j.isci.2022.104359			Jo
Julia Katharina Scholz and Andre Kraus and Dominik Lüder and Kathrin Skoczynski and Mario Schiffer and Steffen Grampp and Johannes Schödel and Bjoern Buchholz			Au
nephrology, machine learning			Keywords

Urology Nephrology			2021-67
Evaluation of Kidney Histological Images Using Unsupervised Deep Learning			Ti
Kidney International Reports, 6(2021)2445-2454 https://doi.org/10.1016/j.ekir.2021.06.008			Jo
Noriaki Sato and Eiichiro Uchino and Ryosuke Kojima and Minoru Sakuragi and Shusuke Hiragi and Sachiko Minamiguchi and Hironori Haga and Hideki Yokoi and Motoko Yanagita and Yasushi Okuno			Au
autoencoder, convolutional neural networks, deep learning, histopathology, machine learning, nephropathology			Keywords

Urology Nephrology			2020-68
The Banff 2019 Kidney Meeting Report (I): Updates on and clarification of criteria for T cell- and antibody-mediated rejection			Ti
American Journal of Transplantation, 20(2020)2318-2331 https://doi.org/10.1111/ajt.15898			Jo
Alexandre Loupy and Mark Haas and Candice Roufousse and Maarten Naesens and Benjamin Adam and Marjan Afrouzian and Enver Akalin and Nada Alachkar and Serena Bagnasco and Jan U. Becker and Lynn D. Cornell and Marian C. {Clahsen-van Groningen} and Anthony J. Demetris and Duska Dragun and Jean-Paul {Duong van Huyen} and Alton B. Farris and Agnes B. Fogo and Ian W. Gibson and Denis Glotz and Juliette Gueguen and Zeljko Kikic and Nicolas Kozakowski and Edward Kraus and Carmen Lefaucheur and Helen Liapis and Roslyn B. Mannon and Robert A. Montgomery and Brian J. Nankivell and Volker Nickleit and Peter Nickerson and Marion Rabant and Lorraine Racusen and Parmjeet Randhawa and Blaise Robin and Ivy A. Rosales and Ruth Sapir-Pichhadze and Carrie A. Schinstock and Daniel Seron and Harsharan K. Singh and Rex N. Smith and Mark D. Stegall and Adriana Zeevi and Kim Solez and Robert B. Colvin and Michael Mengel			Au
classification systems: Banff classification, clinical decision-making, clinical research/practice, kidney (allograft) function/dysfunction, kidney transplantation/nephrology, molecular biology: mRNA/mRNA expression, pathology/histopathology, rejection, translational research/science			Keywords

Urology Nephrology			2022-69
Machine learning-supported interpretation of kidney graft elementary lesions in combination with clinical data			Ti
American Journal of Transplantation, 22(2022)2821-2833 https://doi.org/10.1111/ajt.17192			Jo
Marc Labriffe and Jean-Baptiste Woillard and Wilfried Gwinner and Jan-Hinrich Braesen and Dany Anglicheau and Marion Rabant and Priyanka Koshy and Maarten Naesens and Pierre Marquet			Au
biopsy, classification systems: Banff classification, clinical research / practice, kidney transplantation / nephrology, rejection: antibody-mediated (ABMR), rejection: T cell mediated (TCMR)			Keywords

Urology Nephrology			2024-70
Surgical Artificial Intelligence in Urology: Educational Applications			Ti
Urologic Clinics of North America, 51(2024)105-115 https://doi.org/10.1016/j.ucl.2023.06.003			Jo
Mitchell G. Goldenberg			Au
Surgical education, Machine learning, Artificial intelligence, Surgical simulation, Surgical skill			Keywords

Urology Nephrology			2024-71
Agreement and Reliability of Patient-measured Postvoid Residual Bladder Volumes			Ti
Urology, 184(2024)62-68 https://doi.org/10.1016/j.urology.2023.11.026			Jo

Michael Jalfon and Mursal Gardezi and Dylan Heckscher and Devin Shaheen and Kaitlin R. Maciejewski and Fangyong Li and Leslie Rickey and Harris Foster and Jaime A. Cavallo	Au
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Urology Nephrology			2023-72
Artificial Intelligence in Pediatric Nephrology—A Call for Action			Ti
Advances in Kidney Disease and Health, 30(2023)17-24 https://doi.org/10.1053/j.akdh.2022.11.001			Jo
Guido Filler and Debbie S. Gipson and Didier Iyamuremye and Maria Esther {Díaz González de Ferris }			Au
Urinary tract infections, Acute kidney injury, Artificial intelligence, Vancomycin, Dialysis dry weight			Keywords

Urology Nephrology			2022-73
Artificial Intelligence Applications in Urology: Reporting Standards to Achieve Fluency for Urologists			Ti
Urologic Clinics of North America, 49(2022)65-117 https://doi.org/10.1016/j.ucl.2021.07.009			Jo
Andrew B. Chen and Taseen Haque and Sidney Roberts and Sirisha Rambhatla and Giovanni Cacciamani and Prokar Dasgupta and Andrew J. Hung			Au
Machine learning, Artificial intelligence, Urology, Deep learning, Review			Keywords

Urology Nephrology			2024-74
Development of a Personalized Chat Model Based on the European Association of Urology Oncology Guidelines: Harnessing the Power of Generative Artificial Intelligence in Clinical Practice			Ti
European Urology Oncology, 7(2024)160-162 https://doi.org/10.1016/j.euo.2023.06.009			Jo
Zine-Eddine Khene and Pierre Bigot and Romain Mathieu and Morgan Rouprêt and Karim Bensalah			Au

Urology Nephrology			2024-75
Predicting Prostate Surgery Outcomes from Standard Clinical Assessments of Lower Urinary Tract Symptoms To Derive Prognostic Symptom and Flowmetry Criteria			Ti
European Urology Focus, 10(2024) 197-204 https://doi.org/10.1016/j.euf.2023.06.013			Jo
Hiroki Ito and Kentaro Sakamaki and Grace J. Young and Peter S. Blair and Hashim Hashim and J. Athene Lane and Kazuki Kobayashi and Madeleine Clout and Paul Abrams and Christopher Chapple and Sachin Malde and Marcus J. Drake			Au
Lower urinary tract symptoms, Prostate surgery, Predictive model, Machine learning, Male, Prognostication			Keywords

Urology Nephrology			2023-76
Omics and Artificial Intelligence in Kidney Diseases			Ti

Advances in Kidney Disease and Health, 30(2023) 47-52 https://doi.org/10.1053/j.akdh.2022.11.005	Jo
Nadja Grobe and Josef Scheiber and Hanjie Zhang and Christian Garbe and Xiaoling Wang	Au
Machine learning, Computational, Modeling, Stratification, Prediction, Artificial Intelligence	Keywords

Urology Nephrology			2024-77
Artificial intelligence and machine learning trends in kidney care			Ti
The American Journal of the Medical Sciences, 367(2024)281-295 https://doi.org/10.1016/j.amjms.2024.01.018			Jo
Yuh-Shan Ho and Tibor Fülöp and PajareeKrisanapan and Karim M. Soliman and Wisit Cheungpasitporn			Au
Bibliometric, SCI-EXPANDED, Artificial intelligence, Machine learning, Nephrology, Kidney care, Publication trends, Citation analysis			Keywords

Urology Nephrology			2023-78
Education and training evolution in urolithiasis: A perspective from European School of Urology			Ti
Asian Journal of Urology, 10(2023)281-288 https://doi.org/10.1016/j.ajur.2023.01.004			Jo
Vaki Antoniou and Vineet Gauhar and Panagiotis Kallidonis and Andreas Skolarikos and Domenico Veneziano and Evangelo Liatsikos and Bhaskar K. Somani			Au
Ureteroscopy, Laser, Kidney calculi, Simulation, Education, Curriculum, Artificial intelligence			Keywords

Urology Nephrology			2024-79
Evolutionary impacts of artificial intelligence in healthcare managerial literature. A ten-year bibliometric and topic modeling review			Ti
Sustainable Futures, 7(2024) 100198 https://doi.org/10.1016/j.sftr.2024.100198			Jo
Fabrizio D'Ascenzo and Andrea Rocchi and Francesca Iandolo and Pietro Vito			Au
Healthcare, Artificial intelligence, Bibliometric review, Topic modeling			Keywords

Urology Nephrology			2023-80
Potential and risks of artificial intelligence models: Common in medicine practice and special in pediatric urology			Ti
Journal of Pediatric Urology, 19(2023)666-667 https://doi.org/10.1016/j.jpuro.2023.06.005			Jo
Yi Wen and Huajie Di			Au

Urology Nephrology			2022-81
A0100 - Can artificial intelligence enhance clinical outcomes and patient flow in a urology			Ti

walk-in clinic?		
European Urology , 81(2022) S150 https://doi.org/10.1016/S0302-2838(22)00188-9		Jo
J.M. Charnock and O. Kovyzenko and T. Yap and R. Sandher		Au

Urology Nephrology			2024-82
Evaluating ChatGPT ability to answer urinary tract Infection-Related questions			Ti
Infectious Diseases Now, 54(2024)104884 https://doi.org/10.1016/j.idnow.2024.104884			Jo
Hakan Cakir and Ufuk Caglar and Sami Sekkeli and Esra Zerdali and Omer Sarilar and Oguzhan Yildiz and Faruk Ozgor			Au
Artificial intelligence, ChatGPT, Guideline, Infection, Urinary tract infection			Keywords

Urology Nephrology			2022-83
VE62 - Deep learning video anonymization: Breaking GDPR boundaries in robotic urology			Ti
European Urology Open Science, 44(2022) S404 https://doi.org/10.1016/S2666-1683(22)02252-2			Jo
P. {De Backer} and J. Simoens and K. Mestdagh and C.A. Bravi and L. Sarchi and A. Mottaran and M. Paciotti and R. Farinha and M. {Peraire Lores} and S. Puliatti and A. Piro and R. {De Groote} and C. {Van Praet} and K. Decaestecker and A. Motttrie			Au

Urology Nephrology			2021-84
Application of artificial intelligence in renal disease			Ti
Clinical eHealth, 4 (2021)54-61 https://doi.org/10.1016/j.ceh.2021.11.003			Jo
Lijing Yao and Hengyuan Zhang and Mengqin Zhang and Xing Chen and Jun Zhang and Jiyi Huang and Lu Zhang			Au
Artificial intelligence (AI), Machine learning (ML), Artificial neural network (ANN), Convolution neural network (CNN), Nephrology			Keywords

Urology Nephrology			2024-85
Would Uro_Chat, a Newly Developed Generative Artificial Intelligence Large Language Model, Have Successfully Passed the In-Service Assessment Questions of the European Board of Urology in 2022?			Ti
European Urology Oncology, 7(2024) 155-156 https://doi.org/10.1016/j.euo.2023.08.013			Jo
Matthias May and Katharina Körner-Riffard and Martin Marszalek and Klaus Eredics			Au

Urology Nephrology			2021-86
Standardized Reporting of Machine Learning Applications in Urology: The STREAM-URO Framework			Ti
European Urology Focus, 7(2021)672-682 https://doi.org/10.1016/j.euf.2021.07.004			Jo
Jethro C.C. Kwong and Louise C. McLoughlin and Masoom Haider and Mitchell G. Goldenberg and Lauren Erdman and Mandy Rickard and Armando J. Lorenzo and Andrew J. Hung and Monica Farcas and Larry Goldenberg and Chris Nguan and Luis H. Braga and Muhammad Mamdani and Anna Goldenberg and Girish S. Kulkarni			Au

Urology Nephrology			2024-87
Predictive analytics support for complex chronic medical conditions: An experience-based co-design study of physician managers' needs and preferences			Ti
International Journal of Medical Informatics, 187(2024)105447 https://doi.org/10.1016/j.ijmedinf.2024.105447			Jo
Muhammad Rafiq and Pamela Mazzocato and Christian Guttmann and Jonas Spaak and Carl Savage			Au
Multiple Chronic Conditions, Experience-based Co-design, Predictive Analytics, Predictive Decision Support Model, 30-day Hospital Readmission, AI applications in health care			Keywords

Urology Nephrology			2023-88
Development and Validation of a Deep Learning System for Sound-based Prediction of Urinary Flow			Ti
European Urology Focus, 9(2023)209-215 https://doi.org/10.1016/j.euf.2022.06.011			Jo
Han Jie Lee and Edwin Jonathan Aslim and B.T. Balamurali and Lynn Yun Shu Ng and Tricia Li Chuen Kuo and Cindy Ming Ying Lin and Christopher Johann Clarke and PracheePriyadarshinee and Jer-Ming Chen and Lay Guat Ng			Au
Lower urinary tract symptoms, Uroflowmetry, Machine learning, Voiding sounds			Keywords

Urology Nephrology			2022-89
L'échographiepleuropulmonaire : principes, applications et perspectives			Ti
Anesthésie&Réanimation, 8(2022)248-256 https://doi.org/10.1016/j.anrea.2022.03.004			Jo
Laurent Zieleskiewicz and Karine Bezulier and Mattieu Bernat and Inès Lakbar and Claire Zunino and Thibaut Markarian and Marc Leone and Gary Duclos and Charlotte Arbelot			Au
Échographiepleuropulmonaire, Échographie, Échographieclinique, Détresserespiratoireaiguë, Pleuropulmonary ultrasound, Point-of-care ultrasound, Clinical ultrasound, Acute respiratory distress			Keywords

Urology Nephrology			2023-90
Can ChatGPT, an Artificial Intelligence Language Model, Provide Accurate and High-quality Patient Information on Prostate Cancer?			Ti
Urology, 180(2023) 35-58 https://doi.org/10.1016/j.urology.2023.05.040			Jo

Burhan Coskun and Gokhan Ocakoglu and Melih Yetemen and Onur Kaygisiz	Au
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Urology Nephrology			2021-91
Using interpretability approaches to update “black-box” clinical prediction models: an external validation study in nephrology			Ti
Artificial Intelligence in Medicine, 111(2021)101982 https://doi.org/10.1016/j.artmed.2020.101982			Jo
Harry Freitas {da Cruz} and Boris Pfahringer and Tom Martensen and Frederic Schneider and Alexander Meyer and Erwin Böttinger and Matthieu-P. Schapranow			Au
Clinical predictive modeling, Nephrology, Validation, Interpretability methods			Keywords

Urology Nephrology			2023-92
Automated Society of Fetal Urology (SFU) grading of hydronephrosis on ultrasound imaging using a convolutional neural network			Ti
Journal of Pediatric Urology, 19(2023) 566.e1-566.e8 https://doi.org/10.1016/j.jpuro.2023.05.014			Jo
David A. Ostrowski and Joseph R. Logan and Maria Antony and Reilly Broms and Dana A. Weiss and Jason {Van Batavia} and Christopher J. Long and Ariana L. Smith and Stephen A. Zderic and Rebecca C. Edwins and Raymond J. Pominville and Jessica H. Hannick and Lynn L. Woo and Yong Fan and Gregory E. Tasian and John K. Weaver			Au
Antenatal hydronephrosis, Hydronephrosis grading, Machine learning, Convolutional neural network			Keywords

Urology Nephrology			2024-93
Bladder Cancer and Artificial Intelligence: Emerging Applications			Ti
Urologic Clinics of North America, 51(2024)63-75 https://doi.org/10.1016/j.ucl.2023.07.002			Jo
Mark A. Laurie and Steve R. Zhou and Md Tauhidul Islam and Eugene Shkolyar and Lei Xing and Joseph C. Liao			Au
Artificial intelligence, Urology, Bladder cancer, Deep learning, AI-assisted diagnosis, Image processing, Treatment planning, Outcome prediction			Keywords

Urology Nephrology			2022-94
Hidden clues in prostate cancer – Lessons learned from clinical and pre-clinical approaches on diagnosis and risk stratification			Ti
Cancer Letters, 524(2022)182-192 https://doi.org/10.1016/j.canlet.2021.10.020			Jo
Roxanne Toivanen and Laura H. Porter and Zhuoer Li and David Clouston and Gail P. Risbridger and Renea A. Taylor			Au
Prostate neoplasia, Pathological risk stratification, Image analysis, Pre-clinical models			Keywords

Urology Nephrology			2024-95
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A Glance at the Present and Future of Artificial Intelligence in Urology		Ti
Urologic Clinics of North America, 51(2024) xiii https://doi.org/10.1016/j.ucl.2023.06.017		Jo
Andrew J. Hung		Au

Urology Nephrology			2024-96
Artificial Intelligence in Urology			Ti
Urologic Clinics of North America, 51(2024)i https://doi.org/10.1016/S0094-0143(23)00102-7			Jo
Andrew J. Hung			Au

Urology Nephrology			2023-97
Phosphatidylcholine and cholesterol-loaded-cyclodextrins can replace egg yolk in the cryopreservation of equine spermatozoa			Ti
Journal of Equine Veterinary Science, 125(2023)104584 https://doi.org/10.1016/j.jevs.2023.104584			Jo
Felicity AB Couldwell and Gareth WV Cave and Kelly M Yarnell and Gareth R Starbuck			Au

CNN – 64a
Urologist/Nephrologist
is (Intelligentsystem)
m e(mental elevation/evolution)