

CURRICULUM VITAE

Carlotta Nedbal, MD



Personal Information:

Date of birth: 24 November 1995

Birth place: Milan, Italy

Degree in Medicine and Surgery: 10 July 2020

Specialization in Urology: expected January 2026 (currently IV-year resident)

Ordine Provinciale dei Medici Chirurghi e degli Odontoiatri di Milano – OMCeOMI

Registration number: 47641

General Medical Council – GMC

Registration number: 8028713

Education:

03/2024 – currently	Urology Unit ASST Sacco-Fatebenefratelli Milano, Italy
03/2023 – 02/2024	Urology Fellowship – Prof B. Somani University Hospital of Southampton, NHS Trust – UHS Southampton, UK
01/2021 – 01/2026	School of Specialty: Urology – Prof. AB Galosi Università Politecnica delle Marche – UNIVPM Ancona, Italy

30/10/2020	Qualification to medical profession Ordine Provinciale dei Medici Chirurghi e degli Odontoiatri di Milano Milan, Italy Reg. num. 47641
08 – 09/2018	Medical volunteering Uganda Martyrs' Hospital Lubaga Kampala, Uganda
2014 – 2020	Degree in Medicine and Surgery Università degli Studi di Milano – UNIMI Milan, Italy
2014	Scientific High School Diploma Liceo Scientifico Statale Vittorio Veneto Milan, Italy

Memberships:

OMCeOMi – Ordine Provinciale dei Medici Chirurghi e degli Odontoiatri di Milano

GMC – General Medical Council

SIU – Italian Society of Urology

EAU – European Association of Urology

SIU – Société Internationale d'Urologie

Languages:

Italian: Native language

English: Excellent command of spoken and written language

Spanish: Good command of spoken and written language

Publications:

1. **Nedbal C**, Adithya S, Naik N, Gite S, Juliebø-Jones P, Somani BK. Can Machine Learning Correctly Predict Outcomes of Flexible Ureteroscopy with Laser Lithotripsy for Kidney Stone Disease? Results from a Large Endourology University Centre. European Urology Open Science (2024), 64, 30-37. <https://doi.org/10.1016/j.euros.2024.05.004>

2. **Nedbal C**, Juliebø-Jones P, Rogers E, N'Dow J, Ribal M, Rassweiler J, Liatsikos E, Van Poppel H, Somani BK. Improving Patient Information and Enhanced Consent in Urology: The Impact of Simulation and Multimedia Tools. A Systematic Literature Review from the European Association of Urology Patient Office, Eur Urol (2024), <https://doi.org/10.1016/j.eururo.2024.04.009>
3. Tzelves L, Talyshinskii A, **Nedbal C**, Mykoniatis I, Beisland C, Roth I, Tsaturyan A, de Coninck V, Keller EX, Somani BK, Juliebø-Jones P. Patient perspectives on vasectomy: findings from a TikTok® content analysis. Int J Impot Res. 2024 Jun 14. doi: 10.1038/s41443-024-00931-5. Epub ahead of print. PMID: 38877106.
4. Cerrato C, **Nedbal C**, Jahrreiss V, Ripa F, DE Marco V, Monga M, Hameed BM, Kronenberg P, Pietropaolo A, Naik N, Somani B. URS for de-novo urolithiasis after kidney transplantation: a systematic review of the literature. Minerva Urol Nephrol. 2024 May 31. doi: 10.23736/S2724-6051.24.05683-0. Epub ahead of print. PMID: 38819386.
5. Yuen SKK, Traxer O, Wroclawski ML, Gadzhiev N, Chai CA, Lim EJ, Giulioni C, De Stefano V, **Nedbal C**, Maggi M, et al. Scoping Review of Experimental and Clinical Evidence and Its Influence on Development of the Suction Ureteral Access Sheath. Diagnostics 2024, 14, 1034. <https://doi.org/10.3390/diagnostics14101034>
6. Tzelves L, Geraghty R, Juliebø-Jones P, **Nedbal C**, Kapriniotis K, Somani BK, et al. Young Academic Urologists Urolithiasis Group. Risk factors and management of steinstrasse after shockwave lithotripsy. Hell Urol 2024;36:78-83. DOI: 10.23736/S2241-9136.24.00029-X
7. Castellani D, Tramanzoli P, Chiacchio G, Cormio A, Rubino A, **Nedbal C**, Perpepaj L, Stramucci S, De Stefano V, Teoh JYC, Cormio L, Somani BK, Galosi AB, Gauhar V. Reoperation rate for residual/regrowth adenoma following transurethral interventions for benign prostatic enlargement: results from a systematic review and meta-analysis of comparative randomized studies. J Endourol. 2024 Apr 3. doi: 10.1089/end.2023.0766. Epub ahead of print. PMID: 38568907.
8. Cerrato C, Jahrreiss V, **Nedbal C**, Ripa F, de Marco V, Monga M, Hameed BZ, Kronenberg P, Pietropaolo A, Naik N, Somani BK. Percutaneous Nephrolithotomy (PCNL) for de-novo urolithiasis after kidney transplantation: A systematic review of the literature. J Endourol. 2024 Mar 28. doi: 10.1089/end.2023.0398. Epub ahead of print. PMID: 38545755.
9. Jahrreiss V, **Nedbal C**, Castellani D, et al. Is suction the future of endourology? Overview from EAU Section of Urolithiasis. Therapeutic Advances in Urology. 2024;16. doi:10.1177/17562872241232275
10. Bhatnagar D, **Nedbal C**, Somani BK. Is ureteroscopy and active stone treatment safe and effective in octogenarians? A review of current literature. Arab Journal of Urology. 2024; doi: 10.1080/20905998.2024.2320028
11. **Nedbal C**, Bres-Niewada E, Dybowski B, Somani BK. The impact of artificial intelligence (AI) in revolutionizing all aspects of urological care: a glimpse in the future. Cent European J Urol. 2023; doi: 10.5173/ceju.2023.255 [Epub ahead of print]
12. **Nedbal C**, Mahobia N, Browning D, Somani BK. Gram negative bacteria related urinary tract infections: spectrum of antimicrobial resistance over 9 years in a University tertiary

referral Hospital. Therapeutic Advances in Infectious Disease. 2024;11. doi:10.1177/20499361241228342

13. **Nedbal C**, Castellani D, De Stefano V, Giulioni C, Nicoletti R, Pirola G, Teoh JY, Elterman D, Somani BK, Gauhar V. Will Aquablation Be the New Benchmark for Robotic Minimally Invasive Surgical Treatment for Benign Prostatic Hyperplasia? *Eur Urol Focus*. 2023 Dec 29:S2405-4569(23)00293-6. doi: 10.1016/j.euf.2023.12.001. Epub ahead of print. PMID: 38160171.
14. Giulioni C, Mulawkar PM, Castellani D, De Stefano V, **Nedbal C**, Gadzhiev N, Pirola GM, Law YXT, Wroclawski ML, Keat WOL, et al. Near-Infrared Fluorescence Imaging with Indocyanine Green for Robot-Assisted Partial Nephrectomy: A Systematic Review and Meta-Analysis. *Cancers* 2023, 15, 5560. [https://doi.org/ 10.3390/cancers15235560](https://doi.org/10.3390/cancers15235560)
15. **Nedbal C**, Naik N, Castellani D, Gauhar V, Geraghty R, Somani BK. ChatGPT in urology practice: revolutionizing efficiency and patient care with generative artificial intelligence. *Current Opinion in Urology* ():10.1097/MOU.0000000000001151, November 14, 2023. | DOI: 10.1097/MOU.0000000000001151
16. **Nedbal C**, Cerrato C, Jahrreiss V, Pietropaolo A, Galosi AB, Castellani D, Somani BK. Trends of 'Artificial Intelligence, Machine Learning, Virtual Reality and Radiomics in Urolithiasis' over the last 30 years (1994-2023) as published in the literature (PubMed): a Comprehensive review. *J Endourol*. 2023 Oct 26. doi: 10.1089/end.2023.0263. Epub ahead of print. PMID: 37885228.
17. **Nedbal C**, Jahrreiss V, Cerrato C, Castellani D, Kamal WK, Hameed Z, et al. Current role of endoscopic combined intrarenal surgery in the management of renal stones: A scoping review. *Indian J Urol* 2023;39:274-84.
18. **Nedbal C**, Cerrato C, Jahrreiss V, et al. The role of 'artificial intelligence, machine learning, virtual reality, and radiomics' in PCNL: a review of publication trends over the last 30 years. *Therapeutic Advances in Urology*. 2023;15. doi:10.1177/17562872231196676
19. Cerrato C, Jahrreiss V, **Nedbal C**, Ripa F, De Marco V, Monga M, Pietropaolo A, Somani B. Shockwave Lithotripsy for De-Novo Urolithiasis after Kidney Transplantation: A Systematic Review of the Literature. *J. Clin. Med*. 2023, 12, 4389. [https://doi.org/ 10.3390/jcm12134389](https://doi.org/10.3390/jcm12134389)
20. Gauhar V, **Nedbal C**, Castellani D, Fong KY, Sofer M, Socarrás MR, Tursunkulov AN, Ying LK, Elterman D, Mahajan A, Petov V, Ivanovich SN, Bhatia TP, Enikeev D, Gadzhiev N, Chiruvella M, Teoh JY, Galosi AB, Sancha FG, Somani BK, Herrmann TRW. Comparison Between Thulium Fiber Laser and High-power Holmium Laser for Anatomic Endoscopic Enucleation of the Prostate: A Propensity Score-matched Analysis from the REAP Registry. *Eur Urol Focus*. 2023 Jul 4:S2405-4569(23)00150-5. doi: 10.1016/j.euf.2023.06.009. Epub ahead of print. PMID: 37414615.
21. **Nedbal C**, Jahrreiss V, Cerrato C, Pietropaolo A, Galosi A, Veneziano D, Kallidonis P, Somani BK. Role of simulation in kidney stone disease: A systematic review of literature trends in the 26 years. *World J Nephrol* 2023; 12(4): 104-111. doi: 10.5527/wjn.v12.i4.104

22. Cerrato C, Jahrreiss V, **Nedbal C**, Pietropaolo A, Somani B. Evolving Role of Lasers in Endourology: Past, Present and Future of Lasers. *Photonics* 2023, 10, 635. <https://doi.org/10.3390/photonics10060635>
23. Galosi AB, **Nedbal C**, Palantrani V, Ranghino A, Mazzucchelli R, Giulioni C, Milanese G and Castellani D. (2023), Clinical progression of megacalycosis in a girl with a solitary kidney: The lesson learned. *IJU Case Rep.* <https://doi.org/10.1002/iju5.12597>
24. Chiacchio G, Beltrami M, Cicconofri A, **Nedbal C**, Pitoni L, Fuligni D, Maggi M, Milanese G, Galosi AB, Castellani D, Giulioni C. Simultaneous Inguinal Hernia Repair with Monofilament Polypropylene Mesh during Robot-Assisted Radical Prostatectomy: Results from a Single Institute Series. *Medicina*. 2023; 59(5):820. <https://doi.org/10.3390/medicina59050820>.
25. Chiacchio G, Castellani D, **Nedbal C**, De Stefano V, Brocca C, Tramanzoli P, Galosi AB, Donalisio da Silva R, Teoh JY, Tiong HY, Naik N, Somani BK, Merseburger AS, Gauhar V. Radiomics vs radiologist in prostate cancer. Results from a systematic review. *World J Urol.* 2023 Mar;41(3):709-724. doi: 10.1007/s00345-023-04305-2. Epub 2023 Mar 3. PMID: 36867239.
26. Tramanzoli P, Castellani D, De Stefano V, Brocca C, **Nedbal C**, Chiacchio G, Galosi AB, Da Silva RD, Teoh JY, Tiong HY, Naik N, Somani BK, Gauhar V. Radiomics vs radiologist in bladder and renal cancer. Results from a systematic review. *Cent European J Urol.* 2023;76(1):12-19. doi: 10.5173/ceju.2023.252. Epub 2023 Jan 21. PMID: 37064257; PMCID: PMC10091893.
27. Gauhar V, Castellani D, Teoh JY, **Nedbal C**, Chiacchio G, Gabrielson AT, Heldwein FL, Wroclawski ML, de la Rosette J, Donalisio da Silva R, Galosi AB, Somani BK. Catheter-Associated Urinary Infections and Consequences of Using Coated versus Non-Coated Urethral Catheters-Outcomes of a Systematic Review and Meta-Analysis of Randomized Trials. *J Clin Med.* 2022 Jul 30;11(15):4463. doi: 10.3390/jcm11154463. PMID: 35956080; PMCID: PMC9369369.
28. Palmisano F, Lissiani A, **Nedbal C**, Verzotti E, Granata AM, Knez R, Rosso M, Romanò AL, Trombetta C, Guarneri A, Gregori A. Three-dimensional versus two-dimensional laparoscopic pyeloplasty in adults: a two-center comparative study. *Minerva UrolNephrol.* 2021 Jun;73(3):406-409. doi: 10.23736/S2724-6051.21.04252-1. Epub 2021 Mar 29. PMID: 33781023.
29. Benelli A, Vaccaro C, Guzzo S, **Nedbal C**, Varca V, Gregori A. The role of MRI/TRUS fusion biopsy in the diagnosis of clinically significant prostate cancer. *TherAdvUrol.* 2020 May18;12:1756287220916613. doi: 10.1177/1756287220916613. PMID: 32489424; PMCID: PMC7238303.

Posters and videos presented in international and national congresses (as first author):

1. BAUS National Congress 2024 – Multi-centre study comparing outcomes of retrograde intrarenal surgery (RIRS) using traditional suction ureteral access sheath (SUAS) and flexiblenavigable suction UAS (FANS).

2. BAUS National Congress 2024 – 24 hours after Retrograde intrarenal surgery for solitary renal calculi using a Flexible And Navigable Suction access sheath (FANS): Results from a prospective global multicentre study by the EAU section on urolithiasis (EULIS).
3. BAUS National Congress 2024 – Revolutionizing patient information and enhanced consent in Urology - The impact of simulation and multimedia tools.
4. BAUS National Congress 2024 – A Machine Learning (ML) Predictive Model for Ureteroscopy lasertripsy (URSL) Outcomes in a Paediatric Population – Results from a large Endourology Tertiary Centre.
5. BAUS National Congress 2024 – Gram Negative Bacteria related Urinary Tract Infections: spectrum of antimicrobial resistance over 9 years in a University tertiary referral Hospital.
6. BAUS Southcentral Meeting 2024 – Trends of ‘Artificial Intelligence, Machine Learning, Virtual Reality and Radiomics in Urolithiasis’ over the last 30 years (1994–2023).
7. Urotech 2024 – Is the application of simulation in urolithiasis increasing? A review of literature trends in the 26 years.
8. Urotech 2024 – Endoscopic Combined Intrarenal Surgery (ECIRS) in the management of complex renal stones.
9. Urotech 2024 – Analysis of 4216 patients of the Refinement in Endoscopic Anatomical enucleation of Prostate (REAP) registry on outcomes of the Thulium Fiber Laser vis a vis High Power Holmium for Anatomical Endoscopic Enucleation of Prostate (AEEP) in a real world multicenter practice.
10. Urotech 2024 – Aquablation: A new benchmark for BPH management?
11. SIU 2021 – Three-dimensional versus two-dimensional laparoscopic pyeloplasty in adults: a two-center comparative study.

Awards ad prizes:

- ESUT Best Abstract award 2024 (first prize) – Urotech 2024
- Certificate for Academic Excellence – ESU/Weill Cornell Masterclass in Urology 2024

Reviewer for:

- BCM Urology
- Urology Journal
- Therapeutic Advances in Urology
- Scientific Reports
- Therapeutic Advances in Infectious Diseases

Tutor for the following courses/congresses:

- Fight School Urology – SUN 2024