




PERSONAL INFORMATION

Name	CARLO ANDREA BRAVI
Date of birth	30/08/1990
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WORK EXPERIENCE

2024 – To date	<p>NORTHAMPTON GENERAL HOSPITAL, Northampton (UK) https://www.northamptongeneral.nhs.uk/</p> <ul style="list-style-type: none"> - CONSULTANT UROLOGICAL SURGEON [Robotic Surgery] <p>Dr. Bravi was appointed as Robotic Surgeon mainly focusing in pelvic and upper urinary tract operations. His everyday practice involves:</p> <ul style="list-style-type: none"> ▪ Robotic radical prostatectomy ± pelvic lymphadenectomy and nerve-sparing techniques for prostate cancer ▪ Robotic radical and partial nephrectomy for kidney cancer ▪ Robotic nephroureterectomy and bladder cuff excision for upper urinary tract cancer 										
2023 – To date	<p>THE ROYAL MARSDEN NHS FOUNDATION TRUST, London (UK) https://www.royalmarsden.nhs.uk/</p> <ul style="list-style-type: none"> - UROLOGIST <ul style="list-style-type: none"> - HONORARY SURGICAL FELLOW [February 2024 – To date] - SENIOR SURGICAL FELLOW [June 2023 – January 2024] <p style="text-align: right;">Supervisors: Prof. D. Nicol, Mr. D. Cahill</p> <p>Dr. Bravi was appointed as senior surgical fellow at this renown cancer center with a specific focus to retroperitoneal surgery. This service includes the management of patients with urological cancers and – in particular – those with advanced kidney and testis malignancies.</p> <p>Together with clinical activities (rota, on-calls, and patient clinical management), Dr. Bravi organizes weekly theatre lists and he is regularly exposed to complex retroperitoneal surgeries (open and robot-assisted) such as:</p> <ul style="list-style-type: none"> ▪ Retroperitoneal lymphadenectomies in primary and secondary settings ▪ Radical nephrectomies ± vena caval thrombectomy ▪ Partial nephrectomies ▪ Adrenal surgeries (metastasectomies and/or primary tumors) ▪ Robot-assisted radical prostatectomies 										
2023 – To date	<p>PROCTOR – TRAINER FOR ROBOTIC SURGERY (Medtronic HUGO RAS)</p> <p>Dr. Bravi specializes in training for robotic surgery, particularly with the Hugo RAS system (https://www.medtronic.com/hugo-ras-system.html). With extensive expertise in this cutting-edge technology, he is dedicated to educating and guiding medical professionals in harnessing the capabilities of robotic surgery. Usually new adopters of this robotic technology are scheduled for technical and clinical training sessions where they are supported and guided by Dr. Bravi, learning the technique and how to use the surgical machine.</p> <p>Recent proctorship programs were scheduled in:</p> <table border="0" style="width: 100%;"> <tr> <td>- Spain, Valencia</td> <td>La Ribera Hospital</td> </tr> <tr> <td>- Spain, Barcelona</td> <td>Fundación Puigvert</td> </tr> <tr> <td>- United Kingdom, Kent</td> <td>Medway Maritime Hospital</td> </tr> <tr> <td>- Italy, Faenza</td> <td>San Pier Damiano Hospital</td> </tr> <tr> <td>- Belgium, Ghent</td> <td>ORSI Academy</td> </tr> </table> <p>These proctorship programs involve pelvic surgeries such as robotic radical prostatectomy as well as retroperitoneal surgery, that is, robotic partial and radical nephrectomies.</p>	- Spain, Valencia	La Ribera Hospital	- Spain, Barcelona	Fundación Puigvert	- United Kingdom, Kent	Medway Maritime Hospital	- Italy, Faenza	San Pier Damiano Hospital	- Belgium, Ghent	ORSI Academy
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2021 – 2023	<p>OLV ZIEKENHUIS HOSPITAL, Aalst (BE) https://www.olvz.be</p>										

	<p>- UROLOGIST – CLINICAL FELLOW [Robotic surgery and Uro-oncology] Supervisor: Prof. A. Mottrie</p> <p>During this clinical fellowship, Dr. Bravi was involved in all main activities in the operating theatre with respect to:</p> <ul style="list-style-type: none"> ▪ Robotic surgery, including table assistance and modular training on the robotic console. Dr. Bravi reached proficiency in performing major procedures in robotic urologic surgery, including: <ul style="list-style-type: none"> - Robot-assisted radical prostatectomy - Robot-assisted partial and radical nephrectomy - Robot-assisted radical cystectomy - Robot-assisted radical nephro-ureterectomy ▪ Dr. Bravi reached technical proficiency in performing urological procedures during a dedicated program of modular training in robotic surgery. This specific program included practice on multiple platforms for robotic surgery, including: <ul style="list-style-type: none"> - Intuitive daVinci Si, X and Xi surgical systems (https://www.intuitive.com/en-us) - Medtronic HUGO RAS robotic surgical platform (https://www.medtronic.com/hugo-ras-system.html) <p>In early 2022, Dr. Bravi assisted the first-in-human case performed in Europe with the HUGO Robot-Assisted Surgery system by Prof. A. Mottrie (link to article).</p> ▪ Dr. Bravi also coordinated a team of research fellows, students, and residents with regard to outcomes research at OLV hospital. These research projects focused mainly on clinical outcomes of patients receiving surgery for prostate, kidney and bladder cancers.
2021 – 2023	<p>ORSI ACADEMY, Ghent (BE) https://www.orsi-online.com/en</p> <ul style="list-style-type: none"> - ADJ. MEDICAL DIRECTOR Dr. Bravi coordinated training activities at ORSI Academy. These tasks involved a wide variety of surgical trainings, with particular focus on robotic surgery. (https://invivo.com/sales-rep/orsi-academy) - TRAINER AND PROCTOR Dr. Bravi is a certified trainer and proctor for a number of courses in robotic surgery, both using the Intuitive daVinci (https://www.intuitive.com/en-us) and Medtronic HUGO RAS (https://www.medtronic.com/hugo-ras-system.html) robotic platforms. Periodic training activities carried out by Dr. Bravi consisted of: <ul style="list-style-type: none"> ▪ Certified Curriculum of the European Robotic Urological Society (ccERUS) ▪ Structured Robotic Training Program ▪ Robotic Basic Skills Course ▪ Dry and wet labs as part of technical training for different robotic platforms <p>All training programs were based on a specific training methodology (i.e. the proficiency-based progression (PBP) training; see below), an objective and validated approach to the acquisition of new skills. Trainings were performed on different live (porcine) and cadaveric (avian, canine, and human) models.</p> - RESEARCHER Dr. Bravi was actively involved in research projects on surgical training. These activities involved: <ul style="list-style-type: none"> ▪ Development of new training models and validation of established training methodology such as the proficiency-based progression (PBP) training. PBP training methodology is a scientific approach to the learning of surgical skills that is objective, transparent, and fair to both the trainee and the trainer. ▪ Development of new training programs that may apply to different procedures (i.e. pelvic and/or renal surgery), both on dry and wet laboratories. ▪ Technologic innovations in surgery (e.g. new robotic platforms, new surgical devices). ▪ Application of artificial intelligence and imaging innovations in surgery and other clinical activities (e.g. prostate biopsy).
2016 – 2021	<p>VITA-SALUTE SAN RAFFAELE UNIVERSITY, Milan (IT) https://www.unisr.it/en/</p> <ul style="list-style-type: none"> - RESIDENT IN UROLOGY Director: Prof. F. Montorsi
2018 – 2019	<p>MEMORIAL SLOAN KETTERING CANCER CENTER, New York City, NY (USA) https://www.mskcc.org/</p> <ul style="list-style-type: none"> - RESEARCH FELLOW – DEPARTMENT OF EPIDEMIOLOGY AND BIostatISTICS Director: Prof. J. Eastham Supervisor: Dr. A. Vickers

	<p>During this research fellowship, Dr. Bravi acquired experience in terms of:</p> <ul style="list-style-type: none"> ▪ Data management ▪ Data analysis, particularly in the field of epidemiological research ▪ Writing of research manuscripts <p>Over a 12-mo period, Dr. Bravi had the opportunity to work on several institutional databases, as well as coordinating multi-center studies that led to 9 published articles on urological cancers (see List of Publication).</p>
2016 – 2021	<p>UROLOGICAL RESEARCH INSTITUTE (URI), Milan (IT) https://research.hsr.it/en/institutes/urological-research-institute.html</p> <p>– RESEARCHER Supervisors: Prof. A. Briganti Prof. A. Salonia Prof. F. Montorsi</p> <p>Throughout his residency program, Dr. Bravi actively participated in planning and conducting a number of research projects, both in the field of oncological and non-oncological urological disorders. In particular:</p> <ul style="list-style-type: none"> ▪ Assessing long-term oncologic outcomes of patients with prostate cancer who received radical prostatectomy as primary treatment. In this specific research field, Dr Bravi focused mainly on two patient populations, that is, patients with node-positive prostate cancer after surgery and patients receiving salvage lymph node dissection for nodal recurrence after primary treatment. ▪ Clinical research studies regarding treatments for prostate cancer, with particular attention to side effects and functional outcomes after surgery. ▪ Analysing data derived from a prospective randomized trial assessing whether the timing of dorsal venous complex ligation during robotic radical prostatectomy might affect functional outcomes after surgery (ClinicalTrials.gov Identifier: NCT03368378). ▪ Peri-operative morbidity and oncologic outcomes of radical and partial nephrectomy for kidney cancer. ▪ Functional sequelae and clinical implications of acute kidney injury (AKI) during surgery for kidney cancer.
2013 – 2016	<p>SANT-ORSOLA MALPIGHI UNIVERSITY HOSPITAL, Bologna; Italy (http://www.aosp.bo.it/)</p> <p>– VOLUNTEER PHYSICIAN Director: Prof. G. Martorana Supervisor: Prof. R. Schiavina</p> <p>As a medical student, Dr. Bravi was actively involved in many clinical activities at the Urological Department.</p>
2016	<p>– PIACENZA HOSPITAL, Piacenza (IT) http://www.ausl.pc.it/ospedali/areeospedaliere/areaospedaliera_piacenza.asp</p> <ul style="list-style-type: none"> ▪ EMERGENCY ROOM PHYSICIAN <p>– OTHER COLLABORATIONS, Bologna (IT)</p> <ul style="list-style-type: none"> ▪ PHYSICIAN: Doctor at sport events (Rugby, Basketball, 5.30 Running World Tour, Virgin Gym), General Practitioner, Phlebotomist, Contributor c/o Villa Regina (Bologna, IT) - Department of Urology (Dr. Cuzzocrea). <p>– UNIVERSITY OF BOLOGNA, Bologna (IT) https://www.unibo.it</p> <ul style="list-style-type: none"> ▪ QUALITY ASSESSMENT: Assessment of students' feedbacks and quality of teaching.

EDUCATION AND TRAINING

2016 – 2021	<p>VITA SALUTE SAN RAFFAELE UNIVERSITY, Milan (IT) https://www.unisr.it/en/</p> <ul style="list-style-type: none"> - SPECIALTY TRAINING: UROLOGIST (SPECIALIST IN UROLOGY), COMPLETED WITH HONORS - <i>“The surgical learning curve for prostate cancer control after robot-assisted radical prostatectomy”</i> Supervisor: Prof. F. Montorsi Co-supervisor(s): Prof. A. Briganti Prof. A. Mottrie
2016 – To date	<p>MEDICAL COUNCIL OF BOLOGNA, Bologna (IT) https://www.odmbologna.it/</p> <ul style="list-style-type: none"> - MEDICAL BOARD CERTIFICATION <i>Licence to practice Medicine and Surgery in Italy.</i>
2009 – 2015	<p>UNIVERSITY OF BOLOGNA, Bologna (IT) https://www.unibo.it</p> <ul style="list-style-type: none"> - DOCTOR OF MEDICINE, COMPLETED WITH HONORS - <i>“Short term oncological and functional results of Robot-Assisted Radical Prostatectomy (RARP) at University Hospital in Bologna”</i> Supervisor: Prof. G. Martorana Co-supervisor: Prof. R. Schiavina
2014	<p>CLINICAL CENTER OF VOJVODINA – First Aid Department, Novi Sad (SRB) https://eng.kcv.rs/</p> <ul style="list-style-type: none"> - MEDICAL AND RESEARCH INTERNSHIP Supervisor: Dr. Mladen Popov
2013	<p>LOZENETS HOSPITAL – General Surgery Department, Sofia (BUL) https://www.lozenetz-hospital.bg/</p> <ul style="list-style-type: none"> - SURGICAL INTERNSHIP Supervisor: Dr. Radosvet Gornev
2001 – 2009	<p>“G. Rossini” Conservatory of Music, Pesaro (IT) https://www.conservatoriorossini.it/en/</p> <ul style="list-style-type: none"> - PIANO

VOLUNTEER EXPERIENCE

2011 – 2015	UNIVERSITY OF BOLOGNA , Bologna (IT) https://www.unibo.it – GROSS ANATOMY TUTOR – Anatomy Department Supervisors: Prof. L. Cocco, Prof. L. Manzoli
2013	RAJEEV HOSPITAL , Madurai (IND) https://www.projects-abroad.net/ – MEDICAL VOLUNTEER – Urology Department Supervisor: Dr. V. Ravindranath
2014 – 2016	PUBBLICA ASSISTENZA CROCE ITALIA (PACI) , Bologna (IT) http://wp.croceitalia.it/ – EMERGENCY RESCUER

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

<i>MOTHER TONGUE</i>	ITALIAN
<i>OTHER LANGUAGES</i>	ENGLISH, CERTIFIED BY IELTS (BAND 8)
<i>TECHNICAL SKILLS AND COMPETENCES With computers, specific kinds of equipment, machinery, etc.</i>	<ul style="list-style-type: none"> - STATA STATISTICAL SOFTWARE - GOOD PROFICIENCY USING “R” AND SPSS STATISTICAL SOFTWARE - WINDOWS AND MACOS. MICROSOFT OFFICE PACKAGE (WORD, POWER POINT, EXCEL) - SOFTWARE FOR ANALYSIS AND ELABORATION OF BIO-MEDICAL IMAGES (IMAGEJ)
<i>Driving licence(s)</i>	Car driving licence (B licence)

CERTIFICATES

2022	BRITISH MEDICAL COUNCIL – International English Language Testing System (IELTS) - ENGLISH CERTIFICATE (Academic Test) – BAND 8 https://www.ielts.org/
2019	EUROPEAN ASSOCIATION OF UROLOGY (EAU) - European Training in Basic Laparoscopic Urological Skills (E-BLUS) CERTIFICATE https://uroweb.org/education/online-education/surgical-education/laparoscopy/
2018	UNITED STATES MEDICAL LICENSING EXAMINATION (USMLE) - USMLE – STEP 1 https://www.usmle.org/
2016	ITALIAN RESUSCITATION COUNCIL (IRC) - ADVANCED LIFE SUPPORT (ALS) EXECUTOR https://www.ircouncil.it/
2013	TEST OF ENGLISH AS A FOREIGN LANGUAGE (TOEFL) - TOEFL CERTIFICATION https://www.ets.org/toefl
2010	D'YOUVILLE COLLEGE, Buffalo, NY, USA - GROSS ANATOMY CONFERENCE http://www.dvc.edu/
2020	DARDEN SCHOOL OF BUSINESS, University of Virginia, VA, USA - MARKETING ANALYTICS COURSE https://www.futurelearn.com/

HONORS AND AWARDS

2023	EUROPEAN ROBOTIC UROLOGY SOCIETY (ERUS) – 2023 Annual Meeting - 2nd BEST POSTER of the conference (among ~2000) <i>“Robot-Assisted Radical Prostatectomy Performed with Different Robotic Platforms: First Comparative Evidence Between Da Vinci and HUGO RAS Robots”</i>
2022	EUROPEAN ROBOTIC UROLOGY SOCIETY (ERUS) – 2022 Annual Meeting , in collaboration with CMR surgical (https://cmrsurgical.com/) - BEST POSTER – Junior ERUS-YAU session <i>“Robot-assisted radical prostatectomy with HUGO RAS robotic platform: First case series from an European high-volume robotic center”</i>
2020	AMERICAN UROLOGICAL ASSOCIATION – AUA 2020 Virtual Meeting

	<ul style="list-style-type: none"> - BEST POSTER – Section MP68: Kidney Cancer; Localized; Surgical Therapy <i>“The Healthier the Patient, the Longer the Ischemia: Surgical Implications for Partial Nephrectomy (RECORD2 Project)”</i>.
2020	<p>INTUITIVE FOUNDATION (https://www.intuitive-foundation.org/)</p> <ul style="list-style-type: none"> - CLINICAL RESEARCH GRANT <i>“Does robotics allow for shorter surgical learning than laparoscopy? A comparison analysis from a large, multi-institutional series of patients treated with partial nephrectomy”</i>.
2019	<p>EUROPEAN ASSOCIATION OF UROLOGY – EAU 2019 Meeting</p> <ul style="list-style-type: none"> - 2nd BEST ABSTRACT FOR ONCOLOGY (among ~4000) <i>“Long-term oncologic outcomes of patients treated with salvage lymph node dissection for nodal recurrence of prostate cancer: results from a large, multi-institutional series”</i>.
2019	<p>AMERICAN UROLOGICAL ASSOCIATION – AUA 2019 Meeting</p> <ul style="list-style-type: none"> - BEST POSTER – Section MP22: Prostate Cancer: Advanced (including Drug Therapy) <i>“Long-term oncologic outcomes of patients treated with salvage lymph node dissection for nodal recurrence of prostate cancer: results from a large, multi-institutional series”</i>.
2018	<p>EUROPEAN ASSOCIATION OF UROLOGY – EAU 2018 Meeting</p> <ul style="list-style-type: none"> - BEST POSTER – Section MP30: Prostate cancer: oligometastatic disease and recurrence after local treatment. <i>“Defining clinically meaningful positive surgical margins in patients undergoing radical prostatectomy for localized prostate cancer: A stage-by-stage analysis on the risk of clinical recurrence”</i>.

MEMBERSHIPS & CONFERENCES

Scientific societies

MEMBER OF THE FOLLOWING SCIENTIFIC SOCIETIES:

- European Association of Urology (EAU)
- American Urological Association (AUA)
- Societa' Italiana di Urologia (SIU) – Italian Society of Urology
- European Robotic Urologic Society (ERUS) Education Working Group (<https://erus.uroweb.org/>)
- Young Academic Urologists (YAU) – Section: Robotic Surgery (<https://uroweb.org/offices/yau-working-group-robotic-in-urology>)
- Global Society of Rare Genito-urinary Tumors (<https://www.gsrgt.com/>) – Section: Adrenal Tumors (please visit <https://www.adrenalmass.org/>)

Speaker

SPEAKER AT THE FOLLOWING SCIENTIFIC MEETINGS:

- Italian Society of Urology Conference (RICCIONE, 2015)
- Italian Society of Urology Conference (NAPLES, 2017)
- EAU Conference (COPENHAGEN, 2018)
- EAU Conference (BARCELONA, 2019)
- AUA Conference (CHICAGO, 2019)
- Italian Society of Urology Conference (VENICE, 2019)
- AUA Conference (VIRTUAL, 2020)
- EAU Conference (VIRTUAL, 2021)
- EAU Conference (AMSTERDAM, 2022)
- ERUS Conference (BARCELONA, 2022)
- OCERT VIII Conference (<https://www.ocert-online.com/>) (GHENT, 2022)
- EAU Conference (MILAN, 2023)
- ERUS Conference (FLORENCE, 2023)
- EAU Conference (PARIS, 2024)

EDITORIAL EXPERIENCE & PUBLICATIONS

Editorial Experience

GUEST EDITOR

- **FRONTIERS IN UROLOGY**, section Urologic Oncology (<https://www.frontiersin.org/journals/urology/sections/urologic-oncology>)

SPECIAL ISSUE: **ADVANCES IN ROBOTIC SURGERY WITHIN UROLOGIC ONCOLOGY**
(<https://www.frontiersin.org/research-topics/43584/advances-in-robotic-surgery-within-urologic-oncology>)

- **JOURNAL OF CLINICAL MEDICINE**
(<https://www.mdpi.com/journal/jcm>)

SPECIAL ISSUE: **ROBOT-ASSISTED SURGERY IN UROLOGY**
(https://www.mdpi.com/journal/icm/special_issues/O11B03L05K)

Reviewer

REVIEWER FOR THE FOLLOWING SCIENTIFIC JOURNALS:

- EUROPEAN UROLOGY
- EUROPEAN UROLOGY FOCUS
- EUROPEAN UROLOGY ONCOLOGY
- EUROPEAN UROLOGY OPEN SCIENCE
- THE JOURNAL OF UROLOGY
- MINERVA UROLOGY NEPHROLOGY
- FRONTIERS IN ONCOLOGY
- FRONTIERS IN UROLOGY

BEST REVIEWER OF THE YEAR 2022 FOR EUROPEAN UROLOGY ONCOLOGY

Book chapters

- **ROBOTIC UROLOGIC SURGERY**
 - CHAPTER: **"TECHNICAL ADVANCES IN ROBOTIC RENAL SURGERY"**
 - AUTHORS: STEFANO PULIATTI, CARLO ANDREA BRAVI, PIETER DE BACKER, AND ERDEM CANDA

- **ROBOT-ASSISTED RADICAL PROSTATECTOMY: ADVANCED SURGICAL TECHNIQUES**
 - CHAPTER: **"APICAL DISSECTION DURING TRANS-PERITONEAL, ANTERIOR ROBOT-ASSISTED RADICAL PROSTATECTOMY"**
 - AUTHORS: CARLO ANDREA BRAVI, ALEXANDRE MOTTRIE

Publications

PUBLICATIONS METRICS

Source: **Google Scholar**, go to [link](#) (access date: 2024-5-4)

Citations: 2,004

H-Index: 20

i10-Index: 34

AUTHOR, CO-AUTHOR AND CONTRIBUTOR OF N° 96 SCIENTIFIC PUBLICATIONS

Source: **Pubmed**, go to [link](#) (access date: 2024-5-4)