

DR. BRUCE SEMO

OBSTETRICIAN / GYNECOLOGIST

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PROFESSIONAL PROFILE

Consultant Obstetrician and Gynecologist with a clinical sub-specialty interest in **Gynecologic oncology & Laparoscopic Surgery**. Experience in health management in government institutions. Success in setting up a Laparoscopic Centre in a government hospital in Kenya. Performed over 200 laparoscopic surgeries in gynecology to date. 12 years' work experience holding various positions in health institutions providing both clinical and administrative services. Undergraduate and postgraduate qualification from the University of Nairobi, Kenya. Scientific publication in *the Journal of Obstetrics and Gynecology of East and Central Africa*. Ongoing research and practice of gynecologic laparoscopic surgery in low-income communities in central Kenya. Looking to make an impact in minimal access surgery in gynecology to enhance the quality of reproductive health services among low-income communities.

SKILLS & QUALIFICATIONS

- Obstetrician & Gynecologist
- Laparoscopic Surgery (Level 3)
- Point of care ultrasound in obstetrics and gynecology
- Health Leadership & Management
- Research, Writing & Publishing

CAREER ACHIEVEMENTS

- 12 years as a Medical Doctor
- 4 years Residency in obstetrics and gynecology
- 3 years as a specialist obstetrician and gynecologist
- Over 6 years of experience in healthcare management
- 12 months practice in Laparoscopic Surgery with over 300 successful surgeries.
- 1 laparoscopic surgical unit set up with over 100 successful surgeries in low income community
- 10+ medical camps (organized & attended)

WORK HISTORY

Obstetrician/ Gynecologist

Jan 2021 – to date

Wangige Sub-County Hospital, Kiambu County, KENYA

- Clinical services
 - Attending to obstetrics surgical and vaginal deliveries
 - Diagnosing and prescribing treatments for disorders and diseases
 - Monitoring and treating expectant mothers during pregnancy, childbirth, and postpartum
 - Conducting routine check-ups on patients.
 - Educating patients on disease prevention, detection, and reproductive health
 - Collaborating with other medical and non-medical personnel
 - Keeping up to date with current practices and innovations
- Medical superintendent
 - Directing, supervising, and evaluating the work activities of medical, nursing, lab tech, pharm tech, and other medical personnel
 - Planning, organizing, directing, controlling, and coordinating medical programs and clinical services in the assigned clinics
- Key achievements
 - Established a Gynecology department in the Hospital.
 - Co-ordinated the procurement and set up of vital operating theatre equipment, and operationalization of a surgical operating theatre in the hospital providing emergency and elective obstetric and gynecological surgeries.

- Spearheaded the expansion of the department of obstetrics, increasing the in-patient capacity by more than 100% and oversaw the formulation of new standard operating protocols for the department.

Obstetrician/ Gynecologist

Aug 2019 - Dec 2021

Kihara Sub-County Hospital, Kiambu County, KENYA

- HOD: Obstetrics & Gynecology
 - Coordinating staff activities and duties to ensure smooth running of the department
 - Providing clinical, academic, operational, and strategic advice to department leadership developed in consultation with department members
 - Developing SOPs in accordance with national guidelines, ensuring their adherence and keeping stakeholders updated on new research in the field
 - Motivating staff and organizing CMEs as part of capacity building programs
- Medical superintendent
 - Performing a leading role in policy formulation for the smooth running of the hospital
 - Ensuring health policy interpretation, implementation, coordination, monitoring and evaluation
 - Directing the development and implementation of short term and long-term objectives, policies, budgets, and operational plans of the hospital aligned to national objectives
 - Representing the hospital in government, public and stakeholder forums
 - Serving as a secretary to the hospital management board
 - Overseeing the delivery of quality services at the hospital
 - Setting, meeting, and sustaining high service delivery standards at the hospital
 - Ensuring health education is undertaken periodically at the hospital
- Key achievements
 - Spearheaded the set up and operationalization of the gynecology surgical operating theatre
 - Introduced minimal access surgery at the department of obstetrics and gynecology

Chief Resident – Reproductive Health

Sept 2015 – Aug 2019

Kenyatta National Hospital, Nairobi County, KENYA

(M.A Obstetrics & Gynecology – University of Nairobi)

- Running the specialized obstetrics and gynecology clinics (antenatal, feto-maternal, oncology, infertility, and gynecology clinics) and conducting clinical ward rounds
- Supervising and teaching medical officer interns, clinical officer interns and undergraduate medical students
- Organizing and assigning duties to all residents in the hospital
- Acting as chief representative of the residents in the department in the University of Nairobi and Kenyatta National Hospital

Medical Officer – Outpatient Clinic

Jul 2014 – Sept 2015

Aga Khan University Hospital (Buru Buru Branch), Nairobi County, KENYA

- Responding to patients' medical problems by referring to their history, carrying out diagnosis, treatment, counseling, and referral, where necessary
- Collecting, recording, and maintaining sensitive patient information such as examination results, medical history, and reports
- Ordering lab tests and interpreting the test results

Senior Medical Officer – Reproductive Health

May 2014 – Sept 2015

Thika Level 5 Hospital, Kiambu County, KENYA

- Providing clinical services and conducting clinical ward rounds
- Supervising and training medical interns

Medical Health Officer

Sept 2012 – May 2014

Daadab District, Garissa County, KENYA

- Overseeing the Daadab district hospital and coordinating health services provided by NGOs at the refugee camps and its environs
- Primary accounting officer at the district level, in charge of the district health management team
- Supervising annual district vaccination campaigns and health facilities within the district
- Coordinating preventive and curative health services at the hospital and at the district level
- Officer in charge of district health management team coordinating service delivery in 7 health centers and 18 dispensaries
- Coordinating and supervising disease surveillance and health service delivery by non-governmental organizations in refugee camps in Dadaab
- Overseeing the district health information records including updating the government district's health records
- Acting as a government representative in inter-sectorial collaboration with different departments and non-governmental organizations
- Overseeing the upgrading of Modogashe District Hospital from a dispensary to a Level 4 hospital with a fully functioning theatre and reproductive health unit, in collaboration with non-governmental organizations

Medical Superintendent

Feb 2011 - Sept 2012

Lagdera District, Garissa County, KENYA

- Directing, supervising, and evaluating the work activities of medical, nursing, lab tech, pharm tech, and other medical personnel
- Planning, organizing, directing, controlling, and coordinating medical programs and clinical services in the assigned clinics

Medical Officer Intern

Feb 2010 - Feb 2011

Garissa Provincial General Hospital, Garissa County, KENYA

- Rotated through the four major disciplines of Obstetrics and Gynecology, Medicine, Surgery and Pediatrics
- Completed the 12-month internship (with a special interest in Reproductive Health) supervised by respective consultants in the disciplines as stipulated by KMPDC

CONSULTANCY WORK

Visiting Consultant (OBGYN) | Jan 2009 - to date

Ruai Family Hospital (RFH), Nairobi County, KENYA

Savanna Healthcare Center (SHC), Nairobi County, KENYA

- Setting up of the department of reproductive health at RFH Specialist Hospital
- Supporting the formulation and implementation of RFH standard operations procedures
- Lead Gynecologist running RFH's Obstetrics & Gynecology department the
- Admitting private patients at RFH and SHC

COMMUNITY SERVICE

- **Obstetric Fistula Camp** | July 2018
Flying Doctors, Nyeri County, KENYA
Scope: Part of a team of fistula surgeons that operated on 86 women with obstetric fistulas and pelvic floor disorders
- **Aitong cervical cancer screening and treatment**- Maasai Mara |
Scope: Part of a medical team that runs a program focusing on screening and treatment of cervical cancer among women in Maasai Mara- Aitong.

KEY CAREER HIGHLIGHTS

- Set up a gynecology clinic in Kihara Sub-County Hospital (KSCH) to provide laparoscopic gynecology surgery becoming the only center in Kiambu County public hospitals providing such services
- Improved the quality of care at KSCH by introducing modern technology for minimal invasive surgery

- Spearheaded the operationalization of Wangige Sub-County Hospital during the expansion of the hospital's infrastructure to a Level 4 hospital
- Oversaw the expansion of service delivery in departments in various hospitals increasing the overall quality of service delivery while supporting the formulation and implementation of hospital policies
- Increased overall financial performance across various health facilities
- Ensured the smooth running of several government facilities to enhance service delivery

EDUCATION

- **Master of Medicine (Mmed)**, 2019
Obstetrics & Gynecology – University of Nairobi
- **Bachelor of Medicine & Surgery (MbChB)**, 2009
University of Nairobi

DISSERTATIONS, RESEARCH & PUBLICATIONS

Semo B.O1, Ndavi P.M1, Kihara A.B1 , Bosire A.N1 , Odawa F.X1 , Kilonzo M.K1 , Pulei A1 , Masinde S2 , Kosgei J.R1 , Omondi O1 , Odongo B.E3; Association Between Intended Inter-Pregnancy Interval and Uptake of Immediate Postpartum Long Acting Reversible Contraceptive Methods at Thika Level 5 Hospital from December 2018 to May 2019. JOGECA 2019: 31(4): 8-14

CONFERENCES & WORKSHOPS

- **2nd East African endometriosis conference** | 22nd-24th June 22 | Sarova Panafric Hotel, Nairobi - Kenya
- **45th KOGS Annual Scientific Conference** | February 2021 | Green Hills Hotel, Nyeri, KENYA
Theme: Addressing Reproductive Health Barriers and Closing the Gaps in the Wake of the Covid 19 Pandemic and Beyond.
- **44th KOGS Annual Scientific Conference** | (17th - 21st February 2020) | (kwale)
Theme: Sustaining Quality Reproductive Health Services at the Dawn of Universal Health Coverage: Unique Challenges, Bold Solutions.
- **43rd Kenya Obstetrical and Gynecological Society Congress** | February 2020
Leisure Lodge, Kwale County, Kenya
- **State-of-the-Art Caesarean Section** | December 2018 | (MP SHAH hospital, prof. michael stark)
Based on the Misgav Ladach Technique an Overview of Risks and Management of Female Genital Mutilation spearheaded by Prof. Michael Stark
- **Emergency Triage** | October 2017 | University of Nairobi, KENYA
Assessment, Treatment and Admission Care (ETAT)
- **Kenya Obstetrical and Gynecological Annual Scientific Conference** | February 2016
40th Ruby Anniversary, Acacia Premier Hotel, Kisumu County, KENYA

SCIENTIFIC SOCIETIES & GROUPS

2016 - to date: Member - Kenya Obstetrical and Gynecological Society

2019 - to date: Member - Kenya Society of Endoscopy Specialties

2019 – to date: Member – International society of Ultrasound in Obstetrics and Gynecology

REFERENCES

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