



**André P. Boezaart, MD, PhD: Abbreviated Bio Sketch
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André was born in Pretoria, South Africa. After completing high school, he entered Medical School at the University of Pretoria and completed a 6-year Bachelor's degree with Internal Medicine, Pediatrics, Obstetrics and Gynecology and Surgery as main subjects. He was awarded the M.B.Ch.B degree. He was awarded a Dux Colors by the University for leadership. In 1973 and completed his Intern year in Surgery, Obstetrics and Gynecology and Anesthesiology at the University of the Orange Free State. After that he started working at a Dutch reformed Mission Hospital (Letaba Hospital) in the Northern rural parts of South Africa. He was the only physician in a 300-bed hospital.

During 1975 he was conscripted into the South African Defense Force and was part of Operation Savannah as part of the "Secret War" in Angolan as anesthesiologist for No 1 Forward Surgical Unit stationed at Céla in Angola. He was awarded the Pro Patria medal with Cunene Clasp and during that time he placed what is believed to be the first continuous nerve blocks for repeated surgery and transport of wounded soldiers. Upon returning he, after spending a few more years at the mission hospital, entered private General Practice with his brother Louis, first in Sabie in the then Eastern Transvaal and later in Tzaneen in the then Northern Transvaal province of South Africa. During the next seven years he, through part-time study, obtained a three-year Master's degree in Family Medicine from the University of Pretoria (M.Prax.Med), with Clinical Medicine and Practice management as main subjects.

He then started his residency in Anesthesiology in 1984 at the University of the Witwatersrand in Johannesburg South Africa and over the next 4 years obtained a Diploma in Anesthesiology (DA(CMSA)) and Fellowship of the Faculty of Anesthesiologists (FFA(CMSA)) from the College of Medicine of South Africa and a Master's degree in Anesthesiology (M.Med(Anaesth) from the University of the Witwatersrand. After registering as a specialist in Anesthesiology he underwent further training in Critical Care Medicine and Pediatric anesthesiology.

In 1989, he entered Private Anesthesiology Practice in Cape Town and Paarl in the Western Province of South Africa. During this time he was the Director of a Surgical Critical Care Unit, and also focused on Regional Anesthesia and completed a Ph.D degree at the University of Stellenbosch studying cerebral blood flow under deliberate induced hypotension. He also, during this time, was very involved with

orthopaedic anesthesia, especially for shoulder surgery, and helped to establish the Cape Shoulder Institute and also ophthalmological anesthesia helping to establish the Cape Eye Institute. He developed the “stimulating catheter”, the continuous cervical paravertebral block, and performed over 15,000 peri-retrobulbar eye blocks. He also from 1992 – 1994 developed “ARMS” the Anesthetic Record Management System, which electronically manages and holds anesthesia records and “writes” postoperative prescriptions.

During 2001 he immigrated to the USA where he worked as Clinical Associate Professor of Anesthesiology and Orthopaedic Surgery at the University of Iowa. He was promoted to Clinical Full professor within 2 years and founded the Division of Orthopaedic Anesthesia at that university as well as the Regional Anesthesia Study Center of Iowa (RASCI).

In May of 2007 he relocated to the university of Florida in Gainesville Florida and was appointed Full Professor of Anesthesiology and Orthopaedic Surgery with Tenure. He founded and headed the Division of Acute and Peri-operative Pain Medicine at the University and also headed the APPM Fellowship program that currently educates 6 fellows per year.

He received numerous awards including Best Doctors in America every year since 2005 till 2018, numerous excellence in teaching awards, and is the holder of 6 international patents. He authored over 100 papers in peer-reviewed journals, 10 textbooks, more than 50 textbook chapters and serves on the editorial boards of 5 peer reviewed journals and reviews manuscripts for 16 such journals. His “Atlas of Peripheral Nerve Blocks and Anatomy for Regional Anesthesia has been translated into Japanese, Chinese, Spanish and Polish. We also authored 6 WWW-based publications. He presented over 200 national and international abstracts at major conferences and with Mary K. Bryson as medical illustrator and artist, he, as Art Director, was awarded the Vesalius Trust Certificate of Merit by the Frank Netter Foundation for “The Primer for Regional Anesthesia Anatomy” for medical illustration in 2005.

André currently works as a Professor of Anesthesiology and Orthopaedic Surgery at the University of Florida; he is the Chief of the Division of Acute and Peri-operative Pain Medicine and the Acute Pain Service, and past director of the APPM fellowship program. His textbook: “*The Anatomical Foundations of Regional Anesthesia and Acute Pain Medicine: Macro-, Micro-, Sono-, and Functional Anatomy*”, of which Trip Buckenmaier wrote the Foreword, was published in January of 2016, and the 2nd Edition of “*The Primer of Regional Anesthesia Anatomy*” was published in August of 2017. He currently serves as Editor-in-Chief of RAEducation.com.

He is married to his high school sweetheart Karin, who he met when he was 15 years old and they have been married for 44 years now with three children and 5 grandchildren.

Areas of special interest and expertise

- Long-term continuous nerve block for end-of-life pain control.
- Long-term continuous nerve block for chronic pain management
- Palliative care with intrathecal adrenal medulla sell transplant
- Acute and Peri-operative pain management
- Hip fracture in the elderly
- Acute compartment syndrome and regional anesthesia
- Development of apparatus to simplify nerve block.
- Internet teaching of Acute Pain Medicine
- Ultrasound-guided peri-retrobulbar eye block
- Microanatomy of the peripheral nervous system
- Pain management in severe chest trauma
- Progression of acute to chronic pain – Genetic factors
- Sympathetic nerve block for the treatment of visceral pain
- Bone as generator of “visceral” (sympathetic) pain.
- Continuous Stellate Ganglion Block for the treatment of persistent ventricular tachycardia
- Stellate Ganglion Block for treatment of bone pain (visceral pain)
- The natural rhythm of man
- Genetics basis of the development of chronic pain from acute pain
- Devastating complications of nerve blocks and how to prevent them
- Management of pain following bilateral total knee arthroplasty
- Simulation for training of Regional Anesthesia techniques.
- Development of SMART (tele-medicine) infusion pump for ambulatory continuous peripheral nerve block.
- Establishing Acute Pain Medicine (APM) as recognized subspecialty of anesthesiology.
- Advanced teaching in APM through movies and video productions placed on professional websites and making use of social media.
- Development of special cushion devices for splinting and elevation of injured or operated limbs and body parts.
- Addition of epinephrine to epidural solution to combat hypotension.
- Difference between cervical paravertebral block and interscalene block.
- Muscle pH as early marker of compartment syndrome.
- Nerve microanatomy and development of a marker to identify and define perineural compartments and membranes.

- Can nerve architecture be extrapolated from one mammalian species to another?
- Intraneural injection and neural micro-anatomy and ultra-anatomy.
- How can APPM, APS and Ambulatory Opioid-sparing protocols help with curtailing the current opioid epidemic?