

The Global State of Contemporary Andrology Practice: A Comprehensive Analysis of Clinical Practice, Training Pathways, and Emerging Challenges

- 1- **Email:** -----
- 2- **First Name:** Optional
- 3- **Last Name:** Optional
- 4- **Your sex:**
 - ☐ Male
 - ☐ Female
- 5- **How old are you?** -----(integer, validation min 20 Max 100)
- 6- **What is your highest professional degree?**
 - ☐ MBBS or MBBCh
 - ☐ MSc
 - ☐ MSc. Andrology
 - ☐ MD
 - ☐ MD (Urology)
 - ☐ MD (Andrology)
 - ☐ MD (Dermatology)
 - ☐ MCh (Urology)
 - ☐ MD, PhD
 - ☐ DVM
 - ☐ PhD
 - ☐ MS
 - ☐ Other, please specify
- 7- **Where did you earn your highest professional Degree?**
Dropdown menu to select a country
- 8- **What is your country of origin? (Dropdown)**
Dropdown menu to select a country
- 9- **What is your health care practice setting? (Select all that apply)**
 - ☐ Public
 - ☐ Private
 - ☐ Academic Practice
 - ☐ Other, please specify
- 10- **What is your professional background?**
 - ☐ Fellowship-trained Reproductive Urologist

- ☐ Urologist
- ☐ Internist
- ☐ Dermatologists
- ☐ Biologist/Biochemist
- ☐ Clinical Andrologist
- ☐ Laboratory Andrologist
- ☐ Embryologist
- ☐ Endocrinologist
- ☐ Reproductive Endocrinologist
- ☐ Gynecologist
- ☐ Reproductive Gynecologist
- ☐ Geriatricians
- ☐ Primary Care
- ☐ Other, please specify

11- **Do you define yourself as an andrologist?**

- ☐ Yes
- ☐ No

12- **In your country of practice: certification in Andrology is earned through:**

- ☐ Professional societies
- ☐ Certification agency
- ☐ Official school of specialization in Andrology
- ☐ Post residency fellowship in certified training center
- ☐ Not applicable (NA)

13- **Is this certification recognized at the National/International/Regional level?**

- ☐ Nationally
- ☐ Regionally
- ☐ Internationally
- ☐ NA

14- **Please name the certification(s).**

- ☐ Free text_____

15- **Do you have an Andrology organization in the country where you practice?**

- ☐ Yes
- ☐ No
- ☐ unsure

16- **Question: How many years have you been working as an andrologist?**

- ☐ <1 year
- ☐ 1-5 years
- ☐ >5-10 years

- >10-15 years
- >15 years

17- **What are the principal areas of practice? Select all that apply**

- ☐ Male infertility
- ☐ Sexual dysfunction
- ☐ STIs
- ☐ Only Urology
- ☐ Mainly Urology
- ☐ Others

18- **How many total hours spent in the clinic per week?.....**

19- **How many hours spent on surgery per week?.....**

20- **How many hours spent on research per week per week?.....**

21- **Average number of articles published in total?.....**

22- **How many internationally published indexed Andrology papers in total?**

23- **How many conferences do you attend every year? -----**

24- **In the country where you practice, who can define themselves as an andrologist?**

- ☐ Fellowship-trained Reproductive Urologist
- ☐ Urologist
- ☐ Internist
- ☐ Dermatologists
- ☐ Biologist
- ☐ Clinical Andrologist
- ☐ Laboratory Andrologist
- ☐ Embryologist
- ☐ Endocrinologist
- ☐ Reproductive Endocrinologist
- ☐ Gynecologist
- ☐ Reproductive Gynecologist
- ☐ Geriatricians
- ☐ Primary Care
- ☐ Other, please specify.

25- **Is there a formal board-certified training program in Andrology in your country?**

- Yes
- No
- Don't know

26- **If yes, how long is this program?**

- Less than one year

- 1 year
- 2 years
- 3 years
- 4 years
- 5 years
- Variable depending on the experience
- Others.....

27- What andrological medical procedures/treatment modality are part of your medical practice? Select all that apply:

- ☐ Antioxidant therapy
- ☐ Hormone therapy for hypogonadotropic hypogonadism
- ☐ Testosterone replacement therapy
- ☐ Platelet Rich Plasma (PRP)
- ☐ Extracorporeal shock wave therapy (ESWT)
- ☐ Nocturnal penile tumescence and rigidity (NPTR)
- ☐ Pharmacological Treatment
- ☐ Male infertility evaluation (SA, SDF testing)
- ☐ Sex Therapy for ED & premature ejaculation
- ☐ Intracavernosal Injection of vasoactive medications
- ☐ Penile Duplex study
- ☐ Neurological study for neurogenic ED
- ☐ Intralesional injection therapy for Peyronie's disease
- ☐ Scrotal ultrasound and Doppler examination
- ☐ Trans-rectal ultrasound examination
- ☐ Diagnosis and treatment of male sexual dysfunction
- ☐ Diagnosis and treatment of Sexual transmitted infections
- ☐ NA
- ☐ Others.....

28- What andrology surgical procedures that are part of your medical procedures (select all that apply)

- ☐ Percutaneous Epididymal Sperm Aspiration (PESA)
- ☐ Testicular Sperm Aspiration (TESA)
- ☐ Conventional Testicular Sperm Extraction (cTESE)
- ☐ Microsurgical TESE (mTESE)
- ☐ Fine Needle Aspiration (FNA) Mapping
- ☐ Vasectomy
- ☐ Varicocele repair
- ☐ Vasal reconstruction
- ☐ Trans Urethral Resection of the Ejaculatory Ducts (TURED)
- ☐ Electroejaculation
- ☐ Surgery to lower the undescended testicle
- ☐ Surgical treatment of urinary incontinence in men

- ☐ Circumcision
- ☐ Management of genital warts
- ☐ Penile implant
- ☐ penile plication/angulation repair
- ☐ Penile reconstructive surgery including plaque excision and grafting
- ☐ Robot-assisted microsurgical procedures
- ☐ Transsexualism/Gender reassignment Surgery
- ☐ NA

Others.....

29- **Does your practice include ART? Or Are you a member of an ART program?**

- ☐ Yes
- ☐ No

30- **If yes, what is your role in ART? (Select all that apply)**

- ☐ Assessment of infertile men
- ☐ medical treatment of male
- ☐ Follow up after treatment
- ☐ Attending the treatment plan session with the IVF specialist (gynecologist) before starting the IVF/ICSI cycles.
- ☐ Perform Electro-ejaculation
- ☐ Surgical Sperm Retrieval (TESA-cTESE- mTESE- PESA- MESA)
- ☐ Semen Analysis
- ☐ Semen Processing
- ☐ Gamete handling (IVF/ICSI)
- ☐ Sperm or Embryo Freezing
- ☐ I do other procedures.....

31- **Does your practice include dealing with Andrological Emergencies?**

- ☐ Yes
- ☐ No

32- **If yes, what are the Andrological Emergencies that are performed at your hospital?**

- ☐ Torsion Testis
- ☐ Fracture Penis
- ☐ High Flow Priapism
- ☐ Low Flow Priapism
- ☐ Acute Epididymo-orchitis
- ☐ Rupture testicles
- ☐ Others.....

33- **Who will do sperm retrieval in your country? (Select all that apply)**

- ☐ Specialized Andrologist

- ☐ General Urologist
- ☐ Gynecologist
- ☐ General Surgeon
- ☐ Other: free text

34- **Is the Urologist in your country of practice eligible to perform andrology procedures?**

- ☐ Yes
- ☐ No
- ☐ Don't know

35- **How do you stay up-to-date with the latest research and developments in the field of andrology?**

- ☐ Attending conferences and workshops
- ☐ Reading medical journals and research studies
- ☐ Reading text books
- ☐ Collaborating with colleagues in the field
- ☐ Relying on outdated knowledge and techniques
- ☐ Must Complete certain hours of continuing medical education (CME) to keep practicing
- ☐ Others.....

36- **What are the treatment modalities you are most excited to learn about?**

- ☐ Stem cell therapy
- ☐ Gene therapy
- ☐ Surgery
- ☐ Acupuncture
- ☐ Herbal nutrition
- ☐ Others.....

37- **Does your work include research?**

- ☐ Yes
- ☐ No

38- **What are the main types of research you are involved in (select all that apply)**

- ☐ Basic research
- ☐ Translational research
- ☐ Clinical research

39 - **What is/are the study design(s) that is/are commonly conducted at your institute? (Select all that apply)**

- ☐ Observational studies
- ☐ Interventional studies
- ☐ Systematic reviews and meta-analysis
- ☐ Animal research only
- ☐ In vitro lab research

☐ Other design(s).....

40- Does your study involve collaborative work with other specialties?

- ☐ Yes
- ☐ No

41- What are the clinical specialties where you work collaboratively in a research? (Select all that apply)

- ☐ Gynecology
- ☐ Reproductive Endocrinology
- ☐ General Surgery
- ☐ Vascular Surgery
- ☐ Urology
- ☐ Diagnostic / Interventional Radiology
- ☐ Oncology
- ☐ Internal Medicine
- ☐ Psychiatry
- ☐ Neurology
- ☐ Forensic Medicine/Toxicology
- ☐ Clinical/chemical Pathology
- ☐ Others.....

42- What are the Academic Department(s) where you commonly collaborate in research with (Select all that apply?)

- ☐ Anatomy
- ☐ Physiology
- ☐ Microbiology
- ☐ Parasitology
- ☐ Molecular Biology and Genetics
- ☐ Histology/Pathology
- ☐ Biochemistry
- ☐ Others.....

43- Does your research projects involve (may involve) multi-centers

- ☐ Yes
- ☐ No
- ☐ Don't know

44-In your opinion what are the basic differences in practice between fellowship-trained reproductive urologist vs andrologist. (Select all that apply)

- ☐ Open Text.....

45- What are the most important challenges that you face in your practice?

- ☐ Open text.....

46- What are the most important needs to enhance your andrology practice?

- ☐ more andrology conferences
- ☐ more hand on workshops
- ☐ more webinars
- ☐ more researches
- ☐ Others.....

47- What are the most important strategies that you see suitable to overcome the challenges?

- ☐ Let the status quo
- ☐ Yes: Struggle with the recognition of Clinical Andrology (Equivalent of Gynecology around the world)
- ☐ Open text.....

48- Are you a GAF MEMBER?

- ☐ Yes
- ☐ No
- ☐ Don't know