Challenges and gender-based differences for women in the Indian urological workforce: Results of a survey

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INTRODUCTION
The entry of Indian women in the medical profession took place only after 1880, Dr. Anandibai Joshi being the first to graduate with a degree in Western medicine.[1] At present, women constitute 51% of students joining medical colleges, 33% at postgraduate levels[1] with only 2.8% of the members of the Association of Surgeons of India[2] being female, and just a meager 1% of members of the Urological Society of India (USI) indicating a lack of adequate representation in surgery and its subspecialties.

Dr. Lakshmi from Chennai was the first Indian female urologist who qualified in 1970 and eventually retired as a Professor of Urology. Since then, there has been an inconsistent rise in female Indian surgeons opting for urology, probably due to a unique set of challenges that they

ABSTRACT

Introduction: Entry of women into urology has not kept pace with that in other surgical branches with only 1% of Urological Society of India (USI) members being female. The objective of this study was to explore the personal and professional challenges, practice barriers, and level of satisfaction among female urologists/urology trainees in India.

Methods: A strictly confidential and anonymous 26-item questionnaire with respect to personal and workplace discrimination, and family satisfaction was circulated as a Google form through email and WhatsApp to all the female members of the USI (full and associate) and trainees (n = 48) based on identification from the USI directory.

Results: Thirty-three out of 48 female urologists responded (68%). Among the respondents (n = 33), majority had <5 years of experience (60.6%), of which 30.3% were residents, which reflected a recent surge in women joining urology. Majority (57.7%) chose to subspecialize, commonly in “female urology”. Many (72.7%) were encouraged to take this subspecialty. Gender discrimination at workplace was reported by 54.5%, commonly by patients and consultants. 68% of respondents had conceived either before or during residency, leading to additional domestic responsibilities. 9.1% suffered a pregnancy-related complication, which they believed was a direct consequence of their work environment. These obstacles led to 30.3% of women reporting that their personal life had compromised their careers. Professional dissatisfaction was reported by 60.1% of women, with common causes being less operative time than male counterparts and lack of mentorship. Despite these challenges given a chance, 78.7% would choose urology again, and 66.7% would encourage their daughter to pursue a career in urology.

Conclusion: Professional and personal challenges as perceived by women responding to our survey include gender discrimination in training and work, lack of mentorship, pregnancy-related complications, and compromised career due to family responsibilities. Despite these, most would choose this specialty again.

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commonly encounter. To minimize this wide gender gap, it is important to understand the issues that might discourage women to opt for urology. Our aim was to explore the current trends of practice, satisfaction level, and personal and professional challenges experienced by the Indian female urological workforce.

METHODS

A review of world literature highlighting challenges faced by female urologists was done, and a 26-item questionnaire was designed focusing on their personal and professional experiences [Supplementary Table 1]. Due to the paucity of Indian data on this subject, evidence from the Western literature was extrapolated with modifications to suit the Indian scenario. After approval from the Institutional Ethics Committee (IEC: 535/2021), strictly confidential and anonymous questionnaire was circulated as a Google form through email and WhatsApp to all the female members of the USI (full and associate) and trainees (n = 48) (USI Directory, May 2021). The survey consisted of multiple choice and open-ended questions, none of which were mandatory.

Demographic data were collected as a categorical or continuous variable where appropriate. Personal and professional obstacles faced were posed as yes/no questions with space for clarification if needed. Questions on satisfaction were presented on a Likert scale, while the main source of dissatisfaction and workplace discrimination was offered as a list of options with space for the participant to add additional replies if desired. As a final question in the survey, participants were invited to share their experiences or add an additional comment.

Demographic data was evaluated using descriptive statistics included academic title, fellowship or specialization training completed, number of years in practice, marital status, number of children, and professional title at the time of the first child. The Chi-square test was used to compare categorical data that had numerical values and percentages. For a two-tailed comparison, \( P < 0.05 \) was used to indicate statistical significance. Statistical analyses were performed using the Statistical Package for the Social Sciences, Version 23 (SPSS-23, IBM, Chicago, IL, USA).

RESULTS

Thirty-three out of 48 female urologists (68.75%) responded to the questionnaire, with all participants answering all the questions. The demographic data and details on career satisfaction and professional attributes are summarized in Tables 1 and 2, respectively.

Gender discrimination at work

More than half (54.5%) of the women sensed gender discrimination [Table 3] either from patients and their relatives, male colleagues, and/or nursing and paramedical staff. Respondents perceived that patients tend to take male doctors more seriously and look to them for affirmation. Mentors prefer to assign complex surgeries to male counterparts, while women are assigned simpler and less challenging cases. A general observation is a senior taking over at the slightest difficulty during operating, while it is not so for when a male is operating. Peers and juniors were observed to constantly take a second opinion from male colleagues.

Challenges in personal life

Most women were married (n = 26) (78.8%) with children (n = 22) (66.7%), having had their first child before joining residency (n = 11). 50% reported taking maternity leave of 6.1 months, ranging from no leave to 15 months. Three women (9.1%) reported a pregnancy-related complication that they believe was triggered by their work. Ten (30.3%) women believe that their personal and family life has compromised their career and work potential, while 11 (33.3%) women feel

| Table 1: Demographic data |
|---------------------------|
| **n (%)**                 |
| **Academic title**        |
| Nonacademic private practitioner | 12 (36.4) |
| Professor                  | 2 (6.1)   |
| Associate professor        | 3 (9.1)   |
| Assistant professor        | 6 (18.2)  |
| Resident                   | 10 (30.3) |
| Subspecialization/fellowship pursued | 19 (57.7) |
| Endourology                | 11 (33.3) |
| Female urology             | 14 (42.4) |
| Neurourology               | 5 (21.7)  |
| Oncology                   | 1 (5.3)   |
| Pediatric urology          | 4 (21.1)  |
| Transplantation            | 6 (31.6)  |
| Reconstructive urology     | 3 (15.8)  |
| Andrology                  | 0         |
| Robotics                   | 1 (5.3)   |
| Clinical practice reflective of fellowship | 19 (57.7) |
| Yes                        | 18 (94.7) |
| No                         | 1 (5.2)   |
| Years in practice          |
| >20                        | 7 (21.2)  |
| 10-20                      | 2 (6.1)   |
| 5-10                       | 5 (15.2)  |
| <5                        | 10 (30.3) |
| Still in training          | 10 (30.3) |
| Current marital status     |
| Married                    | 26 (78.8) |
| Unmarried                  | 6 (18.2)  |
| Choose not to answer       | 1 (3)     |
| Children                   |
| Yes                        | 22 (66.7) |
| No                         | 11 (33.3) |
| Number of children         |
| 22 (66.7)                  |
| One                        | 5 (22.8)  |
| Two                        | 15 (68.2) |
| Three                      | 2 (9)     |
| First child birth          |
| 22 (66.7)                  |
| Before residency           | 11 (50)   |
| During residency           | 4 (18.2)  |
| During fellowship          | 4 (18.2)  |
| After becoming a consultant| 3 (13.6)  |
that their career had compromised their personal and family life. Challenges include less time for research, delay/inability to join fellowship programs, managing family responsibilities while spouse is working, carrying work home, inability to devote time to family and resultant conflicts, and difficulty in finding marriage prospects.

**Would you choose urology again or encourage your daughter to take up urology?**

Given a chance, most women (78.7%, n = 26) would choose urology again, while 3% (n = 1) stated that they would choose a different surgical specialty, and 18.2% (n = 6) reported that they would choose a career outside of medicine. 66.7% (n = 22) of the respondents stated that they would encourage their daughter to pursue a career in urology. Women who stated that they were given less opportunity to assist/operate/learn compared to their male counterparts were more likely to not choose urology again if given the opportunity (P = 0.001). Women who faced workplace discrimination were more likely to dissuade their daughters from taking up a career in urology (P = 0.0001).

**DISCUSSION**

Women have been underrepresented in urology compared to other surgical specialties, with only neurosurgery and orthopedics having a lower percentage of female attending physicians.\(^3\) Compared to the USA (9.2% practicing female urologists and 26.3% of female urology residents)\(^4,5\) and Canada (11.2% female urologists),\(^6\) India ranks low with only 1% of female members (practicing urologists and residents) in USI. The wide gender gap persists in the urological workforce, despite reaching parity with respect to the number of women entering medical training. To find an explanation, this first-ever nationwide survey was carried out to identify the personal and professional challenges faced by women and suggest solutions for the same.

Only two among the 33 respondents had the title of “professor,” and two-third were in the field for <5 years, indicating that women have only recently begun to enter this male-dominated field. This is comparable with world data reporting only 5% of women reaching the rank of “professor.”\(^7\) In India, this discrepancy is more pronounced in the private sector compared to the public sector where promotions would be gender-neutral.\(^8\) Among the respondents who were in an institutional practice for more than 20 years (n = 5), two attained the rank of “professor.” Overly confident and outgoing behavior of women is traditionally not well accepted by the society, probably causing difficulty in the promotion of enterprising women or women themselves underperforming to avoid social aversion.\(^9\) These factors with the fear to experience backlash or stereotype threat prevent deserving women to excel and attain leadership positions.\(^10\) This, in turn, also deprives female trainees of strong female mentors. It is crucial for young women to be able to find mentors who have previously faced similar hurdles and can offer support

| Table 2: Professional satisfaction | n (%) |
|-----------------------------------|-------|
| **Satisfaction with career**      |       |
| Very satisfied                   | 13 (39.4) |
| Somewhat satisfied               | 17 (51.5) |
| Somewhat dissatisfied             | 2 (6.1) |
| Dissatisfied                      | 1 (3) |
| **Greatest cause of career dissatisfaction** |   |
| No significant dissatisfaction   | 12 (38.7) |
| Less operative time than male counterparts | 7 (22.6) |
| Lack of mentorship               | 6 (19.4) |
| Pigeonholing                      | 5 (16.1) |
| Personal/family stressors         | 5 (16.1) |
| Constraints within the health-care system | 4 (12.9) |
| Inadequate compensation           | 2 (6.5) |
| Seeing more time-consuming patients | 2 (6.5) |
| Assigned less patients in OPD     | 1 (3.2) |
| Incomplete training due to COVID  | 1 (3.2) |
| **Strong mentorship during training** | |
| Yes, male urologist              | 18 (54.5) |
| Yes, female urologist            | 7 (21.2) |
| No                               | 8 (24.2) |
| **Less opportunity to operate/assist/learn compared to male counterparts** | |
| Yes                              | 12 (36.4) |
| No                               | 21 (63.6) |
| **Work hours compared to male counterparts** | |
| Same                             | 24 (72.7) |
| Less                             | 5 (15.2) |
| More                             | 4 (12.1) |
| **OT time compared to male counterparts** | |
| Same                             | 23 (69.7) |
| Somewhat less (>50%)             | 7 (21.2) |
| Significantly less (>50%)        | 3 (9.1) |
| More                             | 0 |
| **Seniors and peers more inclined to guide you to take up female urology** | |
| Yes                              | 24 (72.7) |
| No                               | 9 (27.3) |
| **Paid less compared to male counterparts** | |
| Yes                              | 4 (12.5) |
| No                               | 28 (87.5) |

| Table 3: Gender discrimination in the workplace | n (%) |
|-----------------------------------------------|-------|
| **Experienced gender discrimination**         |       |
| Yes                                           | 18 (54.5) |
| No                                            | 15 (45.5) |
| If yes, from                                   | 18 (54.5) |
| Patient and their family                       | 18 (54.5) |
| Consultant                                    | 10 (55.5) |
| Senior                                        | 10 (55.5) |
| Colleague and junior                           | 9 (50) |
| Nurses                                        | 5 (27.7) |
| Allied health                                  | 2 (11.1) |
| **Patient declining examination based on gender** | |
| Yes, occasionally                              | 26 (78.8) |
| Yes, most of the times                         | 1 (3) |
| No                                            | 6 (18.2) |
| Harassment at workplace                        |       |
| Yes                                           | 4 (12.1) |
| No                                            | 28 (84.4) |
| Choose not to answer                           | 1 (3) |
and direction in overcoming obstacles, thereby providing additional professional advancement.\textsuperscript{[11]}

Female trainees are motivated to emphasize more on ‘female urology’ during their training irrespective of their inclination. Twenty-four (72.7\%) practicing women in the survey reported domination of ‘female urology’ subspecialty in their current clinical practice, which could be attributed to the encouragement from peers and seniors during their residency. Conversely, if they do not want to treat a bigger proportion of female urology patients, they may pursue fellowship training in the hopes of being able to tailor the patient group.\textsuperscript{[12]} Andrology and uro-oncology are male-dominated subspecialties, whereas female and pediatric urology have traditionally been considered common among female urologists,\textsuperscript{[13]} as also seen in our survey where none of the women have subspecialized in andrology (Supplementary Table 2).

Incidentally, the childbearing age group (20–30 years of age)\textsuperscript{[14]} coincides with surgical and urological training. Ionizing radiation from fluoroscopy and general anesthesia gases have theoretical teratogenic potential. These factors with difficult long working hours and advanced maternal age due to prolonged education, increase risk for pregnant urologists. A similar survey conducted on female urologists in the USA revealed a 25.3\% risk of pregnancy-related complications.\textsuperscript{[15]} In our survey, this risk appeared to be lower (9.1\%, \(n = 3\)) with infertility (\(n = 2\)) and threatened preterm labor (\(n = 1\)) being the common complications. This means that employers have to be considerate for working hours and strict adherence to ALARA principle and ensuring women are well supported.

In our survey, women expressed that the greatest source of professional dissatisfaction was having less operative work compared to their male counterparts; the reason for this could be multifactorial. Irrespective of their seniority and experience, women are observed to have comparatively lesser surgical referrals.\textsuperscript{[12]} These implicit gender biases and the time-off taken for childbirth have led to decreased operative work compared to male urologists. ‘Pigeonholing’, that is being assigned to an overtly restrictive category, could be due to the societal enforced norm to pursue female urology, despite other interests which leads to career dissatisfaction.

Gender bias, like in other specialties, affects the salary and a wide wage gap exists between male and female urologists. In 2016, a survey conducted in collaboration with the American Urologic Association found a mean salary difference of $81,578 with female urologists being underpaid compared to male counterparts, despite controlling for age, work hours, and fellowship training.\textsuperscript{[16]} Four (12.5\%) female urologists in our survey believed that they were being underpaid compared to their male counterparts with no obvious differences in the services rendered. This divide maybe absent in the Indian public sector where remuneration is based on promotions and is gender-neutral.\textsuperscript{[8]}

In this survey, more than half of the respondents reported discrimination by their consultants, seniors, colleagues, and juniors in the form of being denied the opportunity to operate more complex cases compared to male counterparts, being perceived as incapable of handling intraoperative difficulties, seniors relying more on the clinical findings of a male colleague compared to them, condescending and indifferent colleagues, and insubordinate behavior by juniors due to their gender. Women who enter this field have all suffered subtle forms of emotional or psychological attacks, better labeled as “micro aggressions.”\textsuperscript{[12]} Most women (\(n = 27/81.8\%\)) reported to have been declined examination by a patient due to their gender. Female physicians are less likely to be addressed as “doctor” in rounds and are often mistaken as nurses.\textsuperscript{[17]} In a large survey of surgical residents, 65.1\% reported some form of gender discrimination and 19.9\% reported sexual harassment.\textsuperscript{[18]} In this survey, 12.1\% (\(n = 4\)) of women reported facing some form of sexual harassment at the workplace. Women have reported to have adapted to this discrimination and learned to ignore inappropriate and offensive remarks to conform to the workplace environment.\textsuperscript{[19]} These patterns suggest a resigned acceptance of the status quo, which is deeply rooted in the patriarchal society. The presence of zero-tolerance policies laid down not only by the institution but also by the government should encourage favorable trends in ensuring gender equality.

The struggle of the gender divide continues at home with the additional workload of domestic and childcare responsibilities.\textsuperscript{[11]} These discrepancies persist even among high-achieving career-driven women. According to a survey, a woman physician–scientist with an employed partner spent an average of 8.5 h more per week on domestic activities and childcare than their spouses and were more likely to be assigned to take time-off amid interruptions of the customary childcare arrangements.\textsuperscript{[20]} The stress gap, which highlights the emotional and physical toll women incur, has resulted from the added domestic work in family and home–care tasks on top of professional commitments. Majority of women also were faced with the opposite scenario where they felt that they were unable to devote time to their children due to their work schedule and felt solely responsible for the same. While it may be difficult to change predefined societal norms and cultural biases in our country, we can improve work-life integration by including policies on paid parental leave and on-site childcare.

The choice of the specialty of a female medical graduate is greatly influenced by the opportunities and challenges faced by women in this field. Female urologists who reported fewer opportunities to assist or learn during their training compared to their male counterparts were less likely to choose urology again. Women who faced gender discrimination were more...
likely to dissuade their daughters from entering urology. This means that a woman who has faced multiple challenges in this particular field is more likely to dissuade other women from joining, and that may explain the immense gender gap.

Compared to other surgical subspecialties, urology offers a diverse practice while also allowing a more flexible lifestyle. Change starts by first identifying that gender-based differences and challenges exist, and actively working toward rectifying these inherent biases. Social media platforms have been pivotal to change the public perception by movements such as #ILookLikeASurgeon, #ILookLikeAUrologist, and @manelWatch. The “HeForShe” track was designed by the University of Michigan Women’s Surgical Collaborative to highlight the strategies used by female surgical trainees to navigate a traditionally male-dominated field and to offer suggestions for how our male colleagues might help achieve gender parity.\(^\text{[21]}\) In urology, organizations such as the “Society for Women in Urology” and the “Women in Urologic Oncology” encourage women to network in conventionally male-dominated fields, increase their members’ visibility for promotion and leadership opportunities, and bring women together at all stages of their training and careers to find mentors and colleagues.

There are limitations to the current study. The USI directory lacks division of members as per their gender, and only minimal information could be extracted from the zonal directory. As a result, the current sample size may not represent the true USI female community. Our small sample size reflects the meager number of female urologists in India and is a study limitation. Furthermore, lack of a control sample from other specialties and from males may leave some room for doubt regarding the uniqueness of these findings to urology and to the female gender. The questionnaire used in the survey was extrapolated from the western literature and was modified to suit the Indian scenario, and thus is not a validated questionnaire. This survey kick-started a thought process for this under-discussed topic and requires further qualitative studies for an in-depth understanding of the challenges faced by women in the urological workforce.

CONCLUSION

This first-of-its-kind survey conducted for women in the Indian urological workforce has helped us understand the challenges and obstacles faced by women. Professional and personal challenges for women gathered from this survey include gender discrimination in training and work, lack of mentorship, pregnancy-related complications, and compromised career due to family responsibilities, in spite of which given a choice, many would not reconsider changing their specialty and would encourage their daughters to take up the same. Policy revisions focusing on gender neutrality and organized programs offering an equal surgical opportunity to all, and merit-based promotions would help in establishing equilibrium and encouraging women to take up this specialty.

REFERENCES

1. Bhadra M. “Indian women in medicine: An enquiry since 1880”. Indian Anthropol 2011;41:17-43.
2. Association of Surgeons of India (ASI) to Launch a Women Surgeons Wing; 2015.
3. AAMC Physician Specialty Data Report. Available from: https://www.aamc.org/data-reports/workforce/interactive-data/active-physicians-sex-and-specialty-2017. (Last accessed Dec, 2021).
4. American Urological Association. The State of Urology Workforce and Practice in the United States 2018 Linthicum, Maryland, USA: American Urological Association; 2019.
5. American Urological Association. Urology Residents in the United States and Across the Globe: 2016-2018 Linthicum, Maryland, USA: American Urological Association; 2019.
6. CMA. Physician Data Center: Canadian Physician Statistics; 2018.
7. Mayer EN, Lenherr SM, Hanson HA, Jessop TC, Lowrance WT. Gender differences in publication productivity among academic urologists in the United States. Urology 2017;103:39-46.
8. Sinha S, Ganpule AP. Gender equality in Indian urology. Indian J Urol 2022;38:83-4.
9. Shipman C, Kay K. The confidence code: The science and art of self-assurance – what women should do. New York: Harper-Collins Publishers. 2014.
10. Lindeman MI, Durik AM, Dooley M. Women and self-promotion: A test of three theories. Psychol Rep 2019;122:219-30.
11. Chyu J, Peters CE, Nicholson TM, Dai JC, Taylor J, Garg T, et al. Women in leadership in urology: The case for increasing diversity and equity. Urology 2021;150:16-24.
12. Velez D, Ashok A, Greenberg R, Wasserman M, Balen A, Fantasia J, et al. Rising tides: Challenges and opportunities for women in the urologic workforce. Urology 2021;150:47-53.
13. Oberlin DT, Vo AX, Bachrach L, Flury SC. The gender divide: The impact of surgeon gender on surgical practice patterns in urology. J Urol 2016;196:1522-6.
14. American College of Obstetricians and Gynecologists Committee on Gynecologic Practice and Practice Committee. Female age-related fertility decline. Committee Opinion No. 589. Fertil Steril 2014;101:633-4.
15. Lerner LB, Stolzmann KL, Gulla VD. Birth trends and pregnancy complications among women urologists. J Am Coll Surg 2009;208:293-7.
16. Spencer ES, Deal AM, Pruthi NR, Gonzalez CM, Kirby EW, Langston J, et al. Gender differences in compensation, job satisfaction and other practice patterns in urology. J Urol 2016;195:450-5.
17.Rotenstein LS, Jena AB. Lost taussigs – The consequences of gender discrimination in medicine. N Engl J Med 2018;378:2255-7.
18. Meyerson SL, Sternbach JM, Zwischenberger JB, Bender EM. The effect of gender on resident autonomy in the operating room. J Surg Educ 2017;74:e111-8.
19. Barnes KL, McGuire L, Dunivan G, Sussman AL, McKee R. Gender bias experiences of female surgical trainees. J Surg Educ 2019;76:e1-14.
20. Baimas-George M, Fleischer B, Korn dorffer JR Jr., Slatey D, DuCain C. The economics of private practice versus academia in surgery. J Surg Educ 2018;75:1276-80.
21. Barrett M. #HeForShe: Why it matters to the Individual (and to everyone)/Surgery/Michigan Medicine; 2019.

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Supplementary Table 1
Survey questionnaire

1. What is your academic title?
   1. Registrar/Resident
   2. Lecturer
   3. Assistant Professor
   4. Associate Professor
   5. Professor
   6. Nonacademic private practitioner

2. What fellowship or specialization training did you complete after residency (check all that apply)? (If applicable)
   1. Endourology
   2. Female urology
   3. Infertility
   4. Neurourology
   5. Oncology
   6. Pediatric urology
   7. Transplantation
   8. Reconstructive urology
   9. Andrology
   10. Other

3. Is your current clinical practice reflective of your fellowship/specialization training?
   1. Yes
   2. No
   3. If no, explain

4. How many years have you been in practice?
   1. >20 years
   2. 10–20 years
   3. 5–10 years
   4. <5 years
   5. Still in training

5. What is your current marital status?
   1. Single
   2. Married
   3. Separated/Divorced
   4. Remarried
   5. In a relationship
   6. Prefer not to answer

6. Do you have any children?
   1. Yes
   2. No
   3. If yes, how many?

7. When did you have your first child?
   1. Before residency
   2. During residency
   3. During fellowship
   4. After becoming a staff
8. Overall, how satisfied are you with your career?
   1. Very satisfied
   2. Somewhat satisfied
   3. Somewhat dissatisfied
   4. Dissatisfied
   5. Comments

9. Would you say that you had strong mentorship during your training?
   1. Yes, this mentor was a male urologist
   2. Yes, this mentor was a female urologist
   3. No
   4. Comments

10. Have you ever experienced discrimination at workplace that you feel is related to your gender?
    1. Yes
    2. No
    3. If yes, please explain

11. If yes, from whom (check all that apply):
    1. Colleague
    2. Senior
    3. Consultant
    4. Patient
    5. Patient’s family
    6. Allied health
    7. Nurses
    8. Other:

12. Has a patient ever declined examination based on your gender?
    1. Yes, most of the time
    2. Yes, occasionally
    3. No

13. Have you ever felt that you have been given less opportunity to operate/assist/learn compared to your male counterparts during your training period?
    1. Yes
    2. No

14. How many hours do you work compared to your male counterparts?
    1. More
    2. Less
    3. The same

15. How much OR time do you have compared to your male counterparts?
    1. More
    2. Less
    3. Significantly less (50% less or more)
    4. The same

16. What would you say is the greatest cause of dissatisfaction in your practice? (check all that apply)
    1. Pigeonholing
    2. Lack of mentorship
    3. Inadequate compensation
    4. Personal/family stressors
    5. Financial/resource constraints within the health-care system
    6. Seeing more time-consuming patients in clinic
7. Less operative time than my male counterparts
8. I do not have any significant job dissatisfaction
9. Other

17. Have you during your training ever felt that your seniors were more inclined to encourage you to take up female/functional subspecialty due to your gender?
   1. Yes
   2. No
   3. Other

18. Have you ever faced harassment of any sort at work place due to your gender?
   1. Yes
   2. No
   3. Choose not to answer

19. Do you think you are paid less compared to your male counterparts?
   1. Yes
   2. No

20. Share an experience where you were discriminated against due to your gender

21. How much time-off did you take from your practice for maternity leave?

22. Did you have any pregnancy complication you believe may have been related to your work schedule or work environment (e.g. long hours, exhaustion, radiation exposure, duties, etc.)?
   1. Yes
   2. No
   3. Specifics are not required, but if you would like to explain

23. Do you feel that your personal life and family responsibilities have compromised your career?
   1. Yes
   2. No
   3. If yes, please explain

24. Do you feel that your career has compromised your personal life and family responsibilities?
   1. Yes
   2. No
   3. If yes, please explain

25. If your daughter expressed interest in pursuing a career in urology, would you encourage her to do this?
   1. Yes
   2. No

26. If you had to choose your specialty again, would you still choose urology? If yes, would you choose the same subspecialization?
   1. Yes, I would choose urology again
   2. Yes, I would choose urology but a different subspecialty
   3. No, I would choose a different surgical specialty
   4. No, I would choose a nonsurgical specialty
   5. No, I would choose a career outside of medicine

27. Additional comments/suggestions/wisdom from experience.
SUPPLEMENTARY TABLE 2

Additional comments and experiences shared by respondents

Experience where you were discriminated against due to your gender

1. Given easier surgeries during residency.
2. The male senior and the consultants feel my male colleague is able to handle intraoperative difficulty better, where if he is struggling, they stand behind and tell him what to do, but with me, they jump right in to take over. Their fantasy of rescuing a damsel in distress kicks in. The nurses and patient with their relatives take my male colleague seriously. One of my juniors listens and respects my colleague more than me and its very obvious from his behavior.
3. My senior and colleagues are very careful with what they say to me and in effect I feel like they sometimes become indifferent. The more mature and sensible ones are aware of my sensitivities and take it into consideration as necessary. My female nurses are easy to work with and they find me approachable. However, I had my issues with some senior nurses in the beginning who made my life difficult. Allied health - initially felt that they were speculative, but now have adjusted and behave the same with me and my male colleagues. My colleagues vary from being respectful to condescending depending on their personalities. My juniors probably think I am a nag and I have had frequent episodes of subordinate behavior. My patients find me approachable. Their families look at the male doctor who is with me for their affirmation.
4. My first day in Mch where no unit chief, HOD, or seniors wanted me in their unit because I am a female. They have a preformed idea that females work less, take more leave, less efficient, and difficult to accommodate in their community. However, I could prove everything was wrong finally.
5. Some of the VIP pts prefer to get examined by a male resident. Furthermore, I am called on to examine any female or female VIP pts. Pts don’t decline flag out, but some seem reluctant/shy, but eventually agree.

Additional comments/suggestions/wisdom from experience

1. The first roadblock is in your head. Clear that, start your path, and let others follow!
2. Individual has to decide where to draw a line of satisfaction in life, personal or be it your career. Bottom line is you, as an urologist, should be happy as what you are and what you have chosen.
3. Early life decisions are made based on youthful energy and passion before responsibilities like children, elderly parents, etc., come in. It is not about being a woman. I have been able to come this far only with my family’s support. Because they were willing to do what I could not. However, I do feel like I am sitting on the fence - weekend parenting and delayed professional growth, because I am not able to focus on one thing. This is my greatest cause for dissatisfaction. Maternity leave during residency is a break in your training though you spend the same time as your male colleagues, and you lose your train of thought and continuity in training. I do not believe it is a man’s world, but I do believe women should speak to women who are urologists to educate themselves as to what to expect so that they accept their decision and feel less regret. Lastly, I think women are better functional and female urologists because there are practical issues that women who are female urologists will empathize with better.
4. Never restrict to urogynecology. We can excel in all other subspecialties also.
5. In my experience, I have so far had good colleagues. However, in my practice, I feel even female doctors (surgeon and gynecologist) prefer a male urologist for their cases. I am the only female urologist in my district for the past 7 years. However, none of the female doctors preferred to send me urogynecology patients except one or two. I think gender comes to play here, we are not so expressive of our achievement unlike our male colleagues.
6. I always wanted to be a surgeon, and urology is a wise choice for me. I feel urology is a great choice for women as it is more planned with fewer emergencies. We need to encourage more girls to follow this path.
7. I have been told that in private practice, female urologists are not very acceptable by the patients. In government setup at present that is not the case. Hope the private practice life is as acceptable.

Do you feel that your career has compromised your personal life and family responsibilities?

1. Career lag causes lot of irritability and intolerance at the family level.
2. Limited family time due to surgical residency, Difficulty in finding marriage prospect, qualification, and hectic work schedule being undesirable.
3. I still carry a lot of work home and am not able to attend to my children’s nutrition education, etc., like I would have liked to.
4. Hectic schedule.
5. I was not there enough for my son when he was growing. He was 2 years old when I joined M.Ch. Urology. I hardly got to be there with him. I have never been there for any family function.