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### Letter to the Editor

# Gender distribution among editorial boards and authors of nephrology and urology journals

## Distribución por sexos entre los consejos editoriales y los autores de las revistas de nefrología y urología

Dear Editor,

Diversity and equality receive increasing attention in the healthcare sector. Relevant discrepancies in gender equality were described in various studies: women were underrepresented in boards of national societies in emergency and intensive care medicine. 1,2 In addition, women were outnumbered by men on the editorial boards of academic medical journals, and a significant gender gap was also found among speakers at international medical conferences.<sup>3,4</sup> In nephrology, women were found to be underrepresented among presidents and board members of European nephrology societies.5 In Spain, too, there are still far fewer women in management positions in nephrology and scientific research.<sup>6</sup> However, their representation was still higher compared to several other medical societies.<sup>5</sup> There have been partially successful efforts to increase the proportion of women in the field of nephrology, e.g. in awards of international nephrological societies and in high-ranking US nephrological journals.<sup>7,8</sup> Currently, there are no data on the gender distribution in editorial boards and hardly any on authorships of nephrology journals.

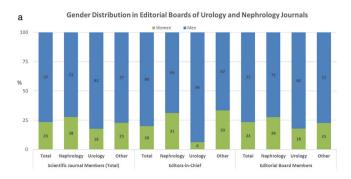
In a cross-sectional analysis, the gender of the editorial board members and editors-in-chief of the 30 top-ranked journals in the "Urology and Nephrology" category of the Clarivate Analytics Journal Citation Reports for 2021 was analyzed. All journals ranked in the first quarter (30/120) of the Clarivate JCR were included in the analysis. These included 14 journals with a focus on nephrology and 14 journals on urology. One journal deals with both disciplines and one with nutrition, which is listed in a separate category labeled "Other" (Table 1). In the second part of the study, the gender distribution among the first and last authors of the 10 top-ranked journals was analyzed.

In the analysis of editors-in-chief and editorial board members, a total of 2669 persons were included of which 625 (23%)

Table 1 – Clarivate Journal Citation Report-ranked top 30
iournals in the category urology and nephrology.

Category	Journal	Ranking
Urology	European Urology	2
	Nature Review Urology	3
	European Urology Oncology	9
	Journal of Urology	10
	European Urology Supplements	11
	European Urology Focus	12
	Aging Male	14
	BJU International	15
	Prostata Cancer and Prostata Disease	16
	World Journal of Men's Health	17
	Sexual Medicine Reviews	19
	World Journal of Urology	21
	Prostate	23
	Journal of Sexual Medicine	25
Nephrology	Nature Reviews Nephrology	1
	Kidney International	4
	Kidney International Supplements	5
	Journal of the American Society of Nephrology	6
	American Journal of Kidney Disease	7
	CJASN	8
	Nephrology Dialysis Transplantation	13
	Seminars in Nephrology	18
	Clinical Kidney Journal	20
	Kidney International Reports	22
	Journal of Nephrology	24
	American Journal of Nephrology	26
	Pediatric Nephrology	28
	Kidney Research and Clinical Practice	29
Other	Minerva Urologica E Nefrologica	27
	Journal of Renal Nutrition	30

b



## Gender Distribution in Authorship of the top 10% ranked Urology and Nephrology Journals

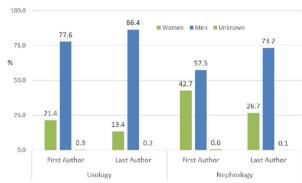


Fig. 1 – (a) Gender distribution in editorial boards of top-ranked journals in urology and nephrology. (b) Gender distribution in first and last authors of urology and nephrology journals ranked in the top 10%.

were women. In nephrology journals, 392 women (28%) were registered while 192 (18%) for urology journals respectively. Of all analyzed editorial board members, 35 were editors-in-chief, of which seven (20%) were women. In nephrology journals, five out of 16 (31%) editors-in-chief were women and in urology journals, only one of 16 (6%) was a woman. In the category "other", one out of three (33%) editors-in-chief was a woman. The proportion of women in editorial boards was 28% in nephrology and 18% in urology journals (Fig. 1a). When comparing the top 10% of journals with the next 15%, the proportion of women as editors-in-chief was higher in the top journals, but did not reach significance (p = 0.22). In contrast, the proportion of women on editorial boards was significantly higher in the top 10% of journals (p < 0.01).

In the analysis of gender distribution in authorships in urology and nephrology journals, totally 2817 first authors were identified, of which 909 (32%) were women. The proportion of women first authors was significantly higher in nephrology compared to urology journals (p < 0.01). The analysis of last authors included 2347 authors, of which 486 (21%) were women (Fig. 1b). We found no difference in the proportion of first and last authors between U.S. and non-U.S. journals. There was no significant correlation between the proportion of women first (correlation coefficient 0.53, p = 0.12) and senior authors (correlation coefficient 0.12, p = 0.74) and impact factor of the respective journal (data not shown).

In summary, women are underrepresented on the editorial boards and among the authors of nephrology journals. Compared to urology, however, the proportion of women on editorial boards and as authors in nephrology journals was twice as high. Previous studies have already shown this distribution for the specialty of urology. Our result could be due to the higher proportion of women in nephrology compared to the more surgically oriented specialty of urology. Nevertheless, the relatively higher proportion of women authors suggests a more balanced future generation of researchers. These findings are consistent with a number of recent publications from various medical fields that have seen an increase in female authors. 6,10 Internationally, and also in Spain, more women than men graduate from medical school resulting in a predominance of female in the public healthcare workforce. The proportion of female nephrologists in Spain remains roughly the same since 2007 at just over 43%. However, the proportion of women at career levels and in the academic environment is falling continuously.<sup>6</sup> The reasons for the unequal distribution between the sexes are manifold and include the compatibility of career and family, the lack of targeted career programs for women and political/social will. In addition to private and professional obligations, these points in particular make it difficult to expand the professional focus to academic nephrology. Measures are needed to ensure equal opportunities for researchers of all genders in academic medicine. Enabling part-time work, childcare, more diverse role models and promoting a culture of openness and diversity are welcome in order to achieve these goals.

### **Authors' contributions**

MH and GL planned the study and conducted the study design. MH, SR and GL were involved in data collection, statistical analysis and performed the manuscript draft (original draft). All authors critically revised the manuscript draft writing (review and editing).

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### **Conflicts of interest**

None declared.

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