

# Global research trends and clinical pathway integration in behavioral therapy for urinary incontinence: A scientometric and visualization analysis

## Supplementary File

**Table S1. Top 10 most cited papers**

Rank	Year	Article title	Journal	Country	Citations
1	2018	Using normalization process theory in feasibility studies and process evaluations of complex healthcare interventions: A systematic review	<i>Implementation Science</i>	UK	400
2	2005	Weight loss: A novel and effective treatment for urinary incontinence	<i>Journal of Urology</i>	USA	214
3	2008	A systematic review of overweight and obesity as risk factors and targets for clinical intervention for urinary incontinence in women	<i>Neurourology and Urodynamics</i>	Norway	207
4	2005	Pelvic organ prolapse	<i>Obstetrics and Gynecology</i>	USA	182
5	2011	Contemporary management of postprostatectomy incontinence	<i>European Urology</i>	Australia	178
6	2009	Postprostatectomy incontinence: All about diagnosis and management	<i>European Urology</i>	Germany	169
7	2005	Effectiveness of early pelvic floor rehabilitation treatment...	<i>European Urology</i>	Italy	166
8	2010	Can pelvic floor muscle training reverse pelvic organ prolapse and reduce prolapse symptoms? An assessor-blinded, randomized, controlled trial	<i>Am J Obstet Gynecol</i>	Norway	162
9	2020	Telehealth in urology: A systematic review of the literature. How much can telemedicine be useful during and after the COVID-19 pandemic?	<i>European Urology</i>	Italy	160
10	2006	Overactive bladder: A better understanding of pathophysiology, diagnosis, and management	<i>Journal of Urology</i>	USA	150

Abbreviations: AM J OBSTET GYNECOL: American Journal of Obstetrics & Gynecology; UK: United Kingdom; USA: United States of America.

**Table S2. Number of publications by country/journal**

Rank	Country	Publication count	International collaboration rate	Journal	Article count
1	USA	235	0.064	<i>International Urogynecology Journal</i>	151
2	China	114	0.061	<i>Neurourology and Urodynamics</i>	132
3	Brazil	93	0.215	<i>Journal of Urology</i>	38
4	UK	71	0.296	<i>Urology</i>	30
5	Canada	65	0.339	<i>Female Pelvic Medicine and Reconstructive Surgery</i>	28
6	Australia	50	0.38	<i>Eur J Obstet Gynecol Reprod Biol</i>	27
7	Turkey	50	0.02	<i>Journal of Pediatric Urology</i>	27
8	The Netherlands	45	0.2	<i>Journal of Wound Ostomy and Continence Nursing</i>	22
9	Norway	43	0.279	<i>BJU International</i>	20
10	Italy	35	0.2	<i>Int J Environ Res Public Health</i>	19

Abbreviations: Eur J Obstet Gynecol Reprod Biol: European Journal of Obstetrics and Gynecology and Reproductive Biology; Int J Environ Res Public Health: International Journal of Environmental Research and Public Health; UK: United Kingdom; USA: United States of America.

**Table S3. Author keywords and keywords plus**

Rank	Author's keywords	Freq	Keywords plus	Freq
1	Urinary incontinence	923	Urinary incontinence	1175
2	Pelvic floor muscle training	413	Women	305
3	Pelvic floor	134	Quality of life	268
4	Physiotherapy	125	Management	183
5	Biofeedback	96	Prevalence	161
6	Quality of life	91	Impact	153
7	Overactive bladder	75	Biofeedback	157
8	Systematic review/meta-analysis	69	Stress urinary incontinence	102
9	Pelvic floor muscle	64	Exercise	87
10	Pelvic organ prolapse	62	Exercises	102
11	Exercise	59	Symptoms	106
12	Women	56	Electrical stimulation	92
13	Pregnancy	43	Continence	95
14	Prostatectomy	40	Pregnancy	48
15	Behavioral intervention	39	Efficacy	84
16	Pelvic floor dysfunction	36	Therapy	80
17	Prostate cancer	36	Risk factors	77
18	Radical prostatectomy	36	Validation	69
19	Bladder training	33	Exercise therapy	65
20	Postpartum	33	Urgency urinary incontinence	61

Abbreviation: Freq: Frequency.

**Table S4. Keyword clustering summary table**

No.	Cluster size	Silhouette coefficient	Top 5 keywords (LLR)*
0	36	0.721	Pelvic organ prolapse; pelvic floor muscles; physical therapy; pelvic floor dysfunction; anal incontinence
1	35	0.834	Pelvic floor muscle training; mHealth app; pelvic floor; pilot feasibility study; pelvic floor muscle strength
2	32	0.819	Stress urinary incontinence; pelvic floor; urinary incontinence; mobile applications; self-management
3	32	0.812	Prostate cancer; radical prostatectomy; pelvic floor muscle exercises; pelvic floor muscle training; meta-analysis
4	31	0.83	Overactive bladder; lower urinary tract symptoms; dysfunctional voiding; electrical stimulation; urge urinary incontinence
5	27	0.734	Urinary incontinence; stress urinary incontinence; weight reduction; prostatic neoplasms; nocturnal enuresis
6	25	0.711	Conservative treatment; quality of life; bladder training; behavior therapy; nursing
7	10	0.908	Behavioral interventions; mixed urinary incontinence; urge incontinence; clinical trials; micturating cystourethrogram
8	8	0.954	Urinary bladder; overactive urinary bladder; neurogenic; biofeedback (psychology); type A

Abbreviation: LLR: Log-likelihood ratio.