J. W. Thüroff (Vorsitzender) • E. Chartier-Kastler • J. Corcus • J. Humke • U. Jonas •
H. Palmtag • E. A. Tanagho

WHO Konsensus Konferenz: Harninkontinenz im Alter

Pharmakotherapie und Medikamentennebenwirkungen

(Urologe [B] 1998 · [Suppl 2] 38: S 23–S 36)

Durch ein Versehen wurde eine alte Version des Literaturverzeichnisses abgedruckt. Hierbei stimmen einige Referenzen mit den Zitaten im Text nicht überein, außerdem sind Referenzen hinzugekommen. Die korrekte Literatur ist hier nochmals abgedruckt.

Literatur

1. Agullo EM, Sugranes JC (1993) **Klinische Prüfung von Trosipiumchlorid bei Patienten mit einer neurogenen Blasenstörung. Multizentrische, doppelblinde Vergleichsstudie mit Oxybutyninhydrochlorid.** Unpublished data. MADAUS AG
2. Andersen JR, Lose G, Norgaard M, Stimpel H, Andersen JT (1988) **Terodiline, emepronium bromide or placebo for treatment of female detrusor overactivity? A randomized, double-blind, cross-over study.** Br J Urol 61: 310–313
3. Asplund R, Aberg H (1993) **Diurnal variation in the levels of antidiuretic hormone in the elderly.** J Intern Med 229: 131
4. Beck RP, Arnusch D, King C (1976) **Results in treating 210 patients with detrusor overactivity incontinence of urine.** Am J Obstet Gynecol 125: 593–596
5. Blaivas JG, Appell RA, Fantl JA, Leach G, McGuire EJ, Resnick NM, Raz S, Wein AJ (1997) **Standards of efficacy for evaluation of treatment outcomes in urinary incontinence: Recommendations of the Urodynamic Society.** Neurourol Urodyn 16: 145–147
6. Cardozo LD, Cooper D, Versi E (1987) **Oxybutynin chloride in the management of idiopathic detrusor instability.** Neurourol Urodyn 6: 256–257
7. Cardozo LD, Stanton SL (1979) **An objective comparison of the effects of parenterally administered drugs in patients suffering from detrusor instability.** J Urol 122: 58–59
8. Cardozo LD, Stanton SL, Robinson H, Hole D (1980) **Evaluation of flurbiprofen in detrusor instability.** BMJ 281–282
9. Castleden CM, Duffin HM, Gulati RS (1986) **Double-blind study of imipramine and placebo for incontinence due to bladder instability.** Age Ageing 15: 299–303
10. Castleden CM, Duffin HM, Millar AW (1987) **Diclomine hydrochloride in detrusor instability – a controlled clinical study.** J Clin Exp Gerontol 9: 265–270
11. Chapple CR, Parkhouse H, Gardener C, Milroy EJG (1990) **Double blind, placebo-controlled, cross-over study of flavoxate in the treatment of idiopathic detrusor instability.** Br J Urol 66: 491–494
12. Dequeker J (1965) **Drug treatment of urinary incontinence in the elderly.** Gerontol Clin 7: 311–317
13. Diokno AC (1995) **Epidemiology and psychosocial aspects of incontinence.** Urol Clin North Am 22: 481–485
14. Ek A, Andersson K-E, Gullberg B, Ulmsten U (1978) **The effect of long-term treatment with norephedrine on stress incontinence and urethral closure profile.** Scand J Urol Nephrol 12: 105–110
15. Ek A, Andersson K-E, Gullberg B, Ulmsten U (1980) **Effects of oestradiol treatment on female stress incontinence.** Zbl Gynäkol 102: 839–844
16. Ekmann G, Andersson K-E, Rud T, Ulmsten U (1980) **A double-blind, cross-over study of the effects of terodiline in women with unstable bladder.** Acta pharmacol toxicol 46 Suppl 1: 39–43
17. Elbadawi A, Yalla SV, Resnick NM (1993) **Structural basis of geriatric voiding dysfunction. I. Methods of a correlative study, and overview of the findings.** J Urol 150: 1650–1656
18. Elbadawi A, Yalla SV, Resnick NM (1993) **Structural basis of geriatric voiding dysfunction. II. Aging detrusor: Normal vs impaired contractility.** J Urol 150: 1650–1667
19. Elbadawi A, Yalla SV, Resnick NM (1993) **Structural basis of geriatric voiding dysfunction. III. Detrusor overactivity.** J Urol 150: 1668–1680

20. Elving LB, Foldspang A, Lam GW, Monunsen S (1989) **Descriptive epidemiology of urinary incontinence in 3100 women age 30–59.** *Scand J Urol Nephrol Suppl* 125: 37–43
21. Enzelberger H, Kurz C, Helmer H, Mittermayer F (1995) **Zur topischen Anwendung von Oxybutyninhydrochlorid bei Frauen mit Urge-Inkontinenz. Ergebnisse einer prospektiv randomisierten Doppelblindstudie.** *Geburtsh Frauenheilk* 55: 240–243
22. Fossberg E, Beisland HO, Lundgren RA (1983) **Stress incontinence in females: treatment with phenylpropanolamine.** *Urol Int* 38: 293–299
23. Gajewski JB, Awad SA (1986) **Oxybutynin versus propantheline in patients with multiple sclerosis and detrusor hyperreflexia.** *J Urol* 135: 966–968
24. Gerstenberg TC, Klarskov P, Ramirez D, Hald T (1986) **Terodiline in the treatment of women with urgency and motor urge incontinence. A clinical and urodynamic double-blind cross-over study.** *Br J Urol* 58: 129–133
25. Gormley EA, Griffiths DJ, McCracken PN, Harrison GM (1993) **Polypharmacy and its effect on urinary incontinence in a geriatric population.** *Br J Urol* 71: 265–269
26. Griffiths D, McCracken P, Harrison G, Moore K, McEwan A (1994) **The neurogenic bladder of old age.** *Urodynamics Society, San Francisco, May 14, 1994*
27. Grüneberger A (1984) **Treatment of motor urge incontinence with clenbuterol and flavoxate hydrochloride.** *Br J Obstet Gynaecol* 91: 275–278
28. Halaska M, Dorschner W, Frank M (1994) **Treatment of urgency and incontinence in elderly patients with propiverine hydrochloride.** *Neurourol Urodyn* 13: 428–430
29. Hampel C, Wienhold D, Eggersmann C, Thüroff JW (in print) **Prevalence and natural history of female incontinence.** *Eur Urol*
30. Hilton P, Stanton SL (1982) **The use of Desmopressin (DDAVP) in nocturnal frequency in the female.** *Br J Urol* 54: 252–255
31. Hilton P, Tweddell AL, Mayne C (1990) **Oral and intravaginal estrogens alone and in combination with alpha-adrenergic stimulation in genuine stress incontinence.** *Int Urogynecol J* 1: 80–86
32. Holmes DM, Montz FJ, Stanton SL (1989) **Oxybutynin versus propantheline in the management of detrusor instability. A patient-regulated variable dose trial.** *Br J Obstet Gyn* 96: 607–612
33. Jonas U, Höfner K, Madersbacher H, Homdahl TH and the participants of the international study group (1997) **Efficacy and safety of two doses of tolterodine versus placebo in patients with detrusor overactivity and symptoms of frequency, urge incontinence and urgency: urodynamic evaluation.** *World J Urol* 15: 144–151
34. Judge TG (1969) **The use of Quinestradol in elderly incontinent women, a preliminary report.** *Geront Clin* 11: 159–164
35. Klarskov P, Gerstenberg TC, Hald T (1986) **Bladder training and terodiline in females with idiopathic urge incontinence and stable detrusor function.** *Scand J Urol Nephrol* 20: 41–46
36. Kurz C, Nagele F, Sevela P, Enzelberger H (1993) **Intravesical appliziertes Östiol bei sensorischer Urgeinkontinenz – eine prospektive Studie.** *Geburtsh Frauenheilk* 53: 535–538
37. Labay P, Boyarski S (1973) **The action of imipramine on the bladder musculature.** *J Urol* 109: 385–387
38. Lindholm P, Lose G (1986) **Terbutaline (Bricanyl®) in the treatment of female urge incontinence.** *Urol int* 41: 158–160
39. Lose G, Jorgensen L, Thunedborg P (1989) **Doxepin in the treatment of female detrusor overactivity: A randomized double-blind cross-over study.** *J Urol* 142: 1024–1026
40. Macfarlane JR, Tolley DA (1984) **The effect of terodiline on patients with detrusor instability.** *Scand J Urol Nephrol Suppl* 87: 51–54
41. Madersbacher H, Jils G (1991) **Control of detrusor hyperreflexia by the intravesical instillation of oxybutynine hydrochloride.** *Paraplegia* 29: 84–90
42. Madersbacher H, Stöhrer M, Richter R, Burgdörfer H, Hachen HJ, Mürtz G (1995) **Tropium chloride versus oxybutynin: a randomized, double blind, multicentre trial in the treatment of detrusor hyperreflexia.** *Br J Urol* 75: 452–456
43. Månsson W, Sundin T, Gullberg B (1980) **Evaluation of a synthetic vasopressin analogue for treatment of nocturia in benign prostatic hypertrophy.** *Scand J Urol Nephrol* 14: 139–141
44. Martin MR, Schiff AA (1984) **Fluphenazine/nortriptyline in the irritable bladder syndrome. A double-blind placebo-controlled study.** *Br J Urol* 56: 178–179
45. Matthiesen TB, Rittig S, Nørgaard JP, Pedersen EB, Djurhuus JC (1996) **Nocturnal polyuria and natriuresis in male patients with nocturia and lower urinary tract symptoms.** *J Urol* 156: 1292–1299
46. Mazur D, Göcking K, Wehnert J, Schubert G, Herfurth G (1994) **Klinische und urodynamische Effekte einer oralen Propiverintherapie bei neurogener Harninkontinenz.** *Urologe [A]* 33: 447–452
47. Meyhoff HH, Gerstenberg TC, Nordling J (1983) **Placebo – the drug of choice in female motor urge incontinence?** *Br J Urol* 55: 34–37
48. Milner G, Hills NF (1968) **A double-blind assessment of antidiuretics in the treatment of 212 enuretic patients.** *Med J Aust* 22: 943–947
49. Moisey CU, Stephenson TP, Brendler CB (1980) **The urodynamic and subjective results of treatment of detrusor instability with oxybutynin chloride.** *Br J Urol* 52: 472–475
50. Moore KH, Haxy DM, Imrie EA, Watson A, Goldstein M (1990) **Oxybutynin hydrochloride (3 mg) in the treatment of women with idiopathic detrusor instability.** *Br J Urol* 66: 479–485
51. Nakamura S, Kabayashi Y, Tozuka K, Tohue A, Kimura A (1996) **Circadian changes in urine volume and frequency in elderly men.** *J Urol* 156: 1275–1279
52. Nilvebrant L, Hallen B, Larsson G (1997) **Tolterodine: a new bladder selective muscarinic receptor antagonist: preclinical pharmacological and clinical data.** *Live Sci* 60: 1129–1136
53. Norton P, Karram M, Wall LL, Rosenzweig B, Benson JT, Fantl JA (1994) **Randomized double-blind trial of terodiline in the treatment of urge incontinence in women.** *Obstet Gynecol* 84: 386–391
54. Nygaard I, Kreder KJ (1995) **Uncommon causes of irritative lower urinary tract symptoms.** *Int Urogynecol J* 6: 271–276
55. Ouslander JG (1996) **Lower urinary tract disorders in the elderly female.** Chapter 19. In: Raz S (ed) *Female Urology*, 2nd ed. Saunders, pp 219–230
56. Palmer J (1983) **Report of a double-blind cross-over study of flurbiprofen and placebo in detrusor instability.** *J Int Med Res* 11: Suppl 2: 11–17
57. Palmer JH, Worth PHL, Exton-Smith AN (1981) **Flunarazine: A once daily therapy for urinary incontinence.** *Lancet* 2: 279–281
58. Pannill III FC, Williams TF, Davis R (1988) **Evaluation and treatment of urinary incontinence in long term care.** *JAGS* 36: 902–910
59. Perrigot M, Piera Andres J-B, Roman F, Robain G (1987) **L'incontinence des personnes agées.** Chapter 9C. In: Buzelin JM, Richard F, Susset J, Khoury S (eds) *Urologie. Physiologie et Pathologie de la Dynamique des Voies Urinaires*; Fondation Internationale pour l'Information Scientifique et Regie Generale de Presse, pp 331–342
60. Peters E, and the Multicenter Study Group (1984) **Terodiline in the treatment of urinary frequency and motor urge incontinence. A controlled multicentre study.** *Scand J Urol Nephrol Suppl* 87: 21–33
61. Petersen T, Jakobsen J (1987) **A calcium blocking and anticholinergic agent (terodiline) in the treatment of detrusor hyperreflexia: A placebo-controlled, cross-over trial.** *J Neurol Neurosurg Psychiatr* 50: 1331–1336
62. Platt D, Mühlberg W (1995) **Arzneimitteltherapie im Alter.** *Urologe [A]* 34: 249–272
63. Resnick NM (1996) **Geriatric incontinence.** *Urol Clin North Amer* 23: 55–74
64. Robinson JM, Brocklehurst JC (1983) **Emepromium bromide and flavoxate hydrochloride in the treatment of urinary incontinence associated with detrusor instability in elderly women.** *Br J Urol* 55: 371–376

65. Samisoe G, Jansson I, Mellström D, Svanborg A (1985) **Occurrence, nature and treatment of urinary incontinence in a 70-year-old female population.** *Maturitas* 7: 335–342
66. Sole GM, Arkell DG (1984) **A symptomatic and cystometric comparison of terodiline with emepromium in the treatment of women with frequency, urgency and incontinence.** *Scand J Urol Nephrol Suppl* 87: 55–57
67. Stanton SL (1973) **A comparison of emepromium bromide and flavoxate hydrochloride in the treatment of urinary incontinence.** *J Urol* 110: 529–532
68. Steffens J, Humke U (1995) **Urologische Geriatrie.** *Urologe [A]* 34: 499–509
69. Stöhrer M, Bauer P, Gianetti BM, Richter R, Burgdörfer H, Mürtz G (1991) **Effect of trospium chloride on urodynamic parameters in patients with detrusor hyperreflexia due to spinal cord injuries.** *Urol Int* 47: 138–143
70. Szony G, Collas DM, Ding YY, Malone-Lee JG (1995) **Oxybutynin with bladder retraining for detrusor instability in elderly people: A randomized controlled trial.** *Age Ageing* 24: 287–291
71. Takayasu H, Ueno S, Tsuchiada S, Koiso K, Kurita T, Kawabe K, Kanaoka K (unpublished data) **Clinical evaluation of propiverine hydrochloride against pollakisuria and urinary incontinence – a multicenter, placebo-controlled double-blind study**
72. Tapp AJS, Cardozo LD, Versi E, Cooper D (1990) **The treatment of detrusor instability in postmenopausal women with oxybutynin chloride: a double blind placebo-controlled study.** *Br J Obstet Gynaecol* 97: 521–526
73. Tapp A, Fall M, Norgaard J, Massey A, Choa R, Carr T, Korhonen M, Abrams P (1987) **A dose titrated multicentre study of terodiline in the treatment of detrusor instability.** *Neurourol Urodyn* 6: 254–255
74. Taylor MD, Bates CP (1979) **A double-blind cross-over trial of baclofen – a new treatment for the unstable bladder syndrome.** *Br J Urol* 51: 504–505
75. Thompson IM, Lauvetz R (1976) **Oxybutynin in bladder spasm, neurogenic bladder and encuresis.** *Urology* 8: 452–454
76. Thüroff JW, Bunke B, Ebner A, Faber P, De Geeter P, Hannappel J, Heidler H, Madersbacher H, Melchior H, Schäfer W, Schwenzer T, Stöckle M (1991) **Randomized, double-blind, multicenter trial on treatment of frequency, urgency and incontinence related to detrusor hyperactivity: Oxybutynin versus propantheline versus placebo.** *J Urol* 145: 813–817
77. Ulmsten U, Ekman G, Andersson K-E (1985) **The effect of terodiline treatment in women with motor urge incontinence. Results of a double-blind study and long term treatment.** *Am J Obstet Gynecol* 153: 619–622
78. U.S. Department of Health and Human Services (1996) **Urinary Incontinence in adults: Acute and chronic management.** Clinical Practice Guideline No. 2, 1996 Update, U.S. Government Printing Office, Washington, pp 43–51
79. Voigt R, Voigt P, El-Hasan A, Halaska M, Hoyer H (1988) **Erfahrungen mit dem Anticholinergikum Propiverinhydrochlorid (Mictonorm®) im Rahmen der Behandlung der Harndrangsymptomatik der Frau.** *Medicamentum* 83: 5–8
80. Walter S, Hansen J, Hansen L, Maegaard E, Meyhoff HH, Nordling J (1982) **Urinary incontinence in old age. A controlled clinical trial of emepromium bromide.** *Br J Urol* 54: 249–251
81. Walter S, Kjaergaard B, Lose G, Andersen JT, Heisterberg L, Jakobsen H, Klarskov P, Møller-Hansen K, Lindskog M (1990) **Stress urinary incontinence in postmenopausal women treated with oral estrogen (estriol) and an alpha-adrenoceptor-stimulating agent (phenylpropanolamine): A randomized double-blind placebo-controlled study.** *Int Urogynecol J* 1: 74–79
82. Wehnert J, Sage S (1989) **Vergleichende Untersuchungen zur Wirkung von Mictonorm® (Propiverin hydrochlorid) und Spasuret® (Flavoxat hydrochlorid) auf den Detrusor vesicae.** *Z Urol Nephrol* 82: 259–263
83. Wehnert J, Sage S (1992) **Therapie der Blaseninstabilität und Urge-Inkontinenz mit Propiverin (Mictonorm®) und Oxybutynin chlorid (Dridase®) – eine randomisierte cross-over Vergleichsstudie.** *Akt Urol* 23: 7–11
84. Wells TJ, Brink CA, Diokno AC, Wolfe R, Gillis GL (1991) **Pelvic muscle exercise for stress urinary incontinence in elderly women.** *JAGS* 39: 785–791
85. Williams AJ, Prematalake JKTG, Palmer RL (1981) **A trial of emepromium bromide for the treatment of urinary incontinence in the elderly mentally ill.** *Pharmacotherapeutica* 2: 539–542
86. Wilson PD, Faragher B, Butler B, Bullock D, Robinson EL, Brown ADG (1987) **Treatment of oral piperazine oestrone sulphate for genuine stress incontinence in postmenopausal women.** *Br J Obstet Gynaecol* 94: 568–574
87. Wiseman PA, Malone-Lee J, Ray GS (1991) **Terodiline with bladder retraining for treating detrusor instability in elderly people.** *BMJ* 302: 994–996
88. Yashuda K, Kawabe K, Takimoto Y, Kondo A, Takaki R, Imbayashi K, Toyoshima A, Sato A, Shimazaki J and the Clenbuterol Clinical Research Group. **A double-blind clinical trial of a beta-2-adrenergic agonist in stress incontinence.** *Int Urogynecol J* 4: 146–151
89. Zeegers AGM, Kiesswetter H, Kramer AEJL, Jonas U (1987) **Conservative therapy of frequency, urgency and urge incontinence. A double-blind clinical trial of flavoxate hydrochloride, oxybutynin chloride, emepromium bromide and placebo.** *World J Urol* 5: 57–61
90. Zorzitto ML, Holliday PJ, Jewett MAS, Herschorn S, Fernie GR (1989) **Oxybutynin chloride for geriatric urinary dysfunction: A double-blind placebo-controlled study.** *Age Ageing* 18: 195–200
91. Zorzitto ML, Jewett MAS, Fernie GR, Holliday PJ, Bartlett S (1986) **Effectiveness of propantheline bromide in the treatment of geriatric patients with detrusor instability.** *Neurourol Urodyn* 5: 133–140