**AIM**

To validate a new bladder diary (BD) as an APP for smart-phone (eDM3d) through its comparison with the paper Spanish validated 3-day BD (DM3d)

**MATERIAL AND METHODS**

- Cross-sectional prospective study
- Patients: ≥18yo, OABs or nocturia, with smart-phone
- Questionnaires:
  - First week: ICIQ-SF, BSAQ, paper DM3d and eDM3d (test)
  - After 15 days: eDM3d (retest)
  - Satisfaction: “If you had to complete a BD again, would you choose the paper or the app?”
- Statistical analysis:
  - 42 variables from each BD
  - Feasibility: % of completion
  - Test-retest reliability: McNemar test, intraclass correlation coefficient (ICC)
  - Paper-app correlation: Kappa index, ICC
  - Convergent validity (eDM3d vs ICIQ-SF, BSAQ): Spearman correlation

**RESULTS**

- 54 (39.7%) women, 82 (60.3%) men; 59.6 ± 12.2 yo
- OABs: 113 (83.1%); Nocturia: 125 (91.9%)

**Validation:**

- Feasibility: 91.2% patients completed ≥80% variables
- Reliability: No ≠ at McNemar test. ICC: 0.74 - 0.94 (p<0.05)
- Paper - app correlation: Kappa index: 0.74 - 0.88 (p<0.05). ICC: 0.77 - 0.95 (p<0.05)
- Convergent validity: Spearman correlation: 0.23 - 0.61 (p<0.05)

**SATISFACTION**

- 3.6% would choose paper
- 6.6% would choose either
- 89.7% would choose the app

**CONCLUSION**

The eDM3d showed good feasibility, reliability and validity to be used in the assessment of patients with OABs or nocturia, with high patients’ satisfaction rate.