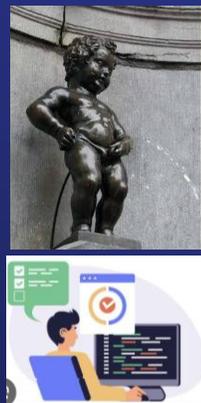


Mobile-Based Video Recording of Micturition:

A Reliable Alternative to Uroflowmetry



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A Current Challenges

Issue are accessibility for children & remote population

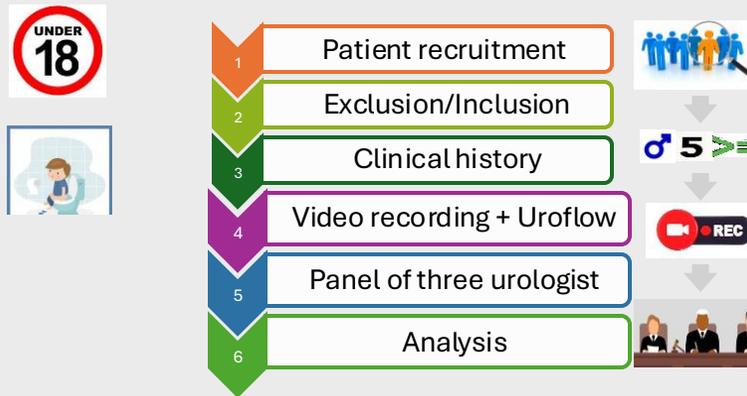


B Study Aim

Mobile-based video Uroflowmetry (UFM) as an Alternate to conventional uroflow.

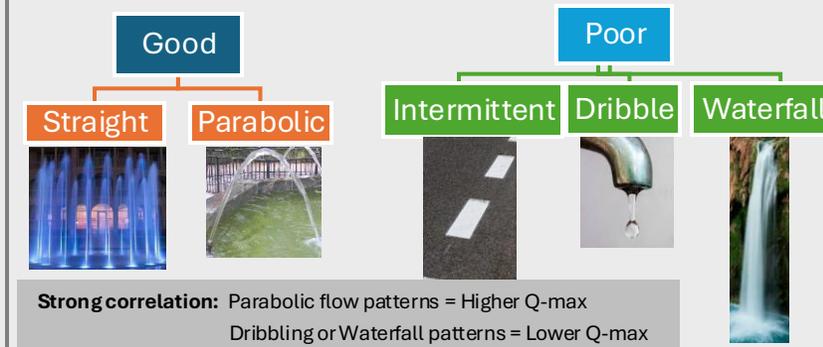
- Clinically reliable assessment of voiding function
- Cost-effective alternative to conventional uroflowmetry
- Patient- and caregiver-friendly approach for home use

C Methods



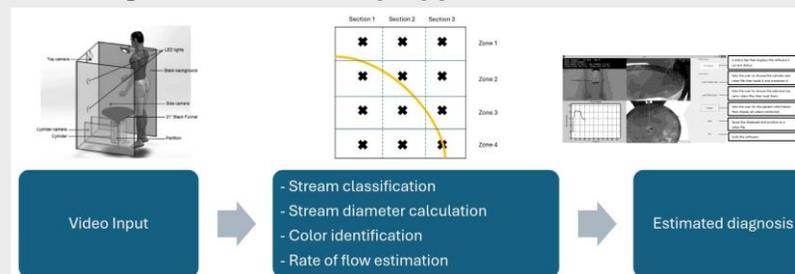
D Results

5 urinary streams
Han et al. (2020) validate video recording ($p < 0.05$)



E Future direction / Ongoing work

Train algorithm → develop app → remote / home based



F Conclusion

- Clinically reliable, non-invasive alternative to conventional Uroflowmetry
- Future integration of machine learning could revolutionize urological diagnostics