

The interprofessional student-run medication review programme

Rowan Sultan, MD & PhD-student

Section Pharmacotherapy, department of Internal Medicine, AmsterdamUMC, location Vumc, Netherlands



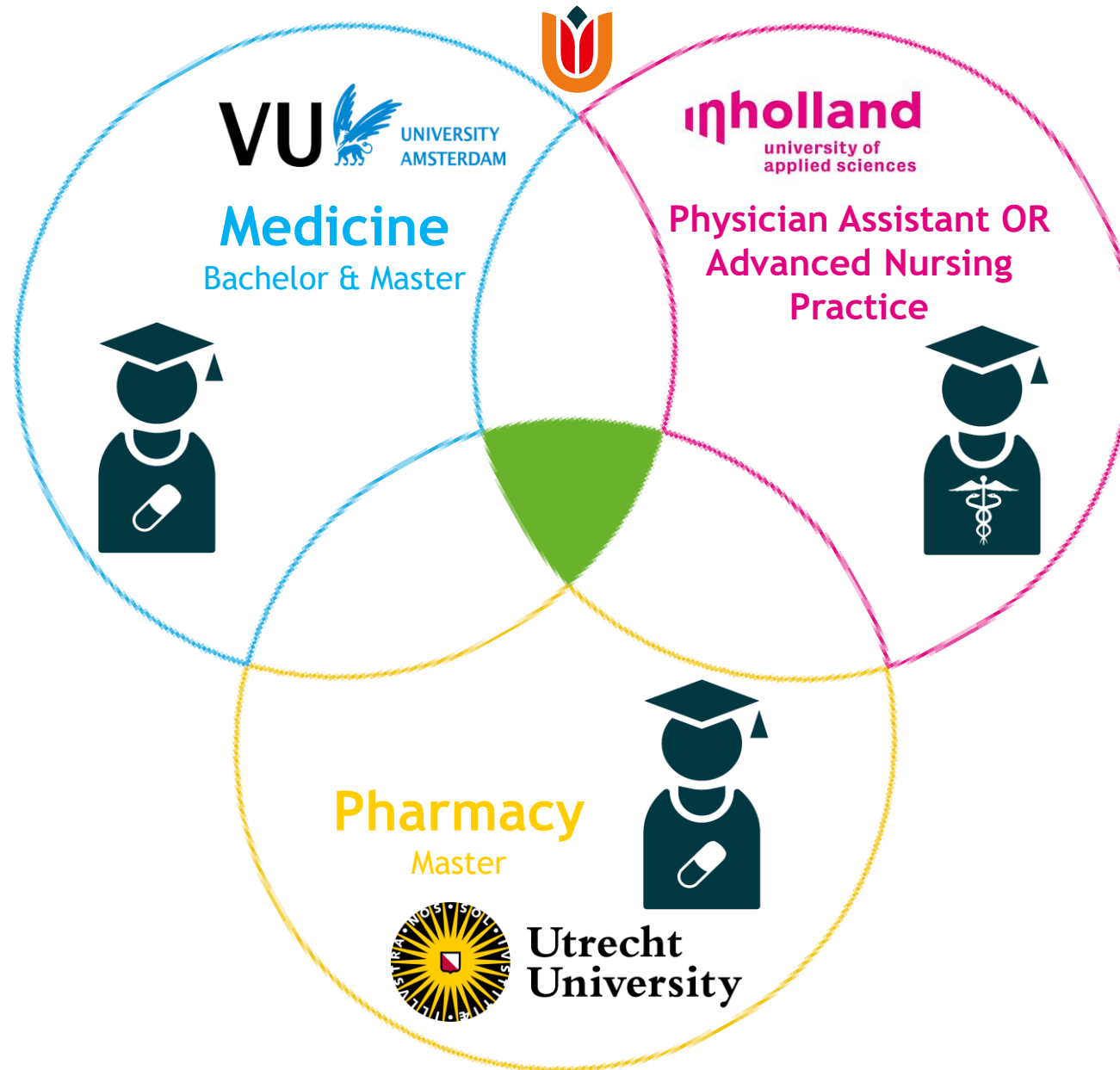
r.sultan@amsterdamumc.nl





Disclosure Statement

There are no conflicts of interest to declare





Interprofessional education (IPE)

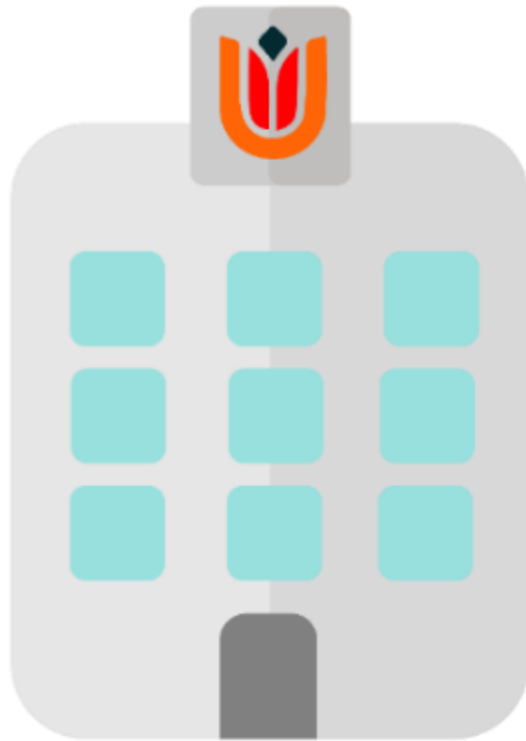
WHO definition:

“Occasions when two or more professionals **learn about, from, and with each other** to enable collaboration and **improve health outcomes.**”



Geriatric medicine department Amsterdam UMC

Memory clinic



- Assessment of cognitive status
- 4 patients per week



Geriatric medicine department Amsterdam UMC

Control group

Intervention
group



Study aim



Is the addition of the ISP team to standard care associated with more adjustments in medication lists 6 weeks after the outpatient visit?



Patients



Nov 2018 - Jan 2020



N = 200



Patient allocation by medical secretary



Informed consent



Measurements at baseline



Independent review panel, blinded for allocation reviewed medication list and determined number of adjustments



Measurements at follow-up

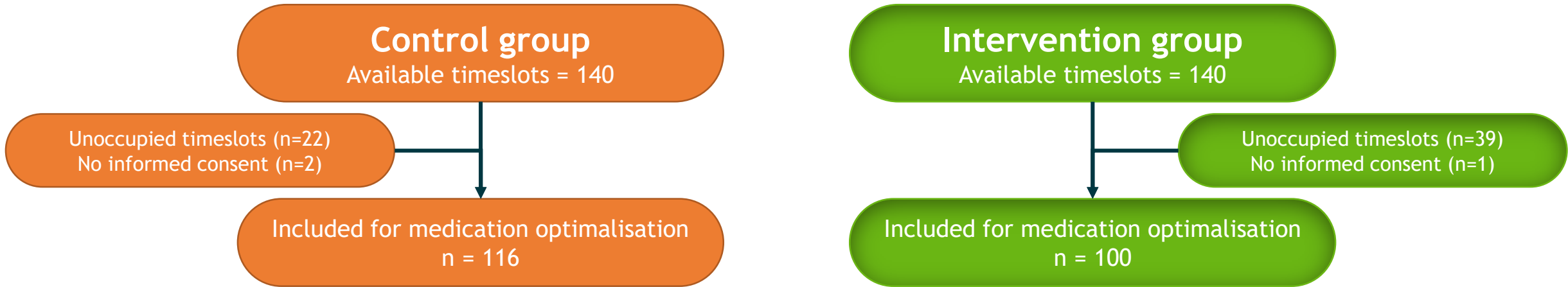


- Correspondence letters were assessed
- Medication overview request at 6 weeks



Inclusion

Nov 2018 - Jan 2020





Adjustments

Control group
n=116
(%)

Intervention
group
n=100
(%)



Adjustments medication list at 6 weeks

Control group
(n = 116)



22 / 251
(9%)

> 200%*

Intervention group
(n = 100)



39 / 206
(19%)

* P-value 0,001



Conclusion



The addition of an ISP to standard care is associated with an optimization of the medication 6 weeks after the outpatient visit



Future analyses

- Interprofessional (learning) benefits students
- Effect on quality of life and patient medication satisfaction



Acknowledgement

*Section Pharmacotherapy, department of Internal medicine,
Amsterdam UMC, location VUmc
RECIPE (Research & Expertise Center In Pharmacotherapy Education),
Amsterdam*

*Department of elderly care, department of Internal medicine,
Amsterdam UMC, location VUmc*

VU University Amsterdam, Institute for education Amsterdam

Hogeschool Inholland, Amsterdam

Utrecht University & Hospital pharmacy Amsterdam UMC

Dr. M. Reumerman
Dr. J. Tichelaar
Dr. M. Richir
Prof. Dr. M. van Agtmael

Dr. T. van den Beukel
Prof. Dr. M. Muller
A. Burger & G. Asma

Dr. H. Daelmans

Mr. H. Springer
Mrs. E. Grijmans

Prof. dr. A. Mantel



Questions?



Sultan, R., van den Beukel, T.O., Reumerman, M.O., Daelmans, H.E.M., Springer, H., Grijmans, E., Muller, M., Richir, M.C., van Agtmael, M.A. and Tichelaar, J. (2022), An Interprofessional Student-Run Medication Review Program: The Clinical STOPP/START-Based Outcomes of a Controlled Clinical Trial in a Geriatric Outpatient Clinic. Clin Pharmacol Ther, 111: 931-938.

<https://doi.org/10.1002/cpt.2475>



Michael O. Reumerman, Milan C. Richir, Rowan Sultan, Hester E.M. Daelmans, Hans Springer, Els Grijmans, Majon Muller, Michiel A. van Agtmael & Jelle Tichelaar (2022) An inter-professional student-run medication review programme. Reducing adverse drug reactions in a memory outpatient clinic: a controlled clinical trial, Expert Opinion on Drug Safety, DOI:

[10.1080/14740338.2022.2069748](https://doi.org/10.1080/14740338.2022.2069748)



A glimpse of our Student-run clinic Amsterdam