

The impact of a summative national prescribing assessment and curriculum type on the development of the prescribing competence of junior doctors

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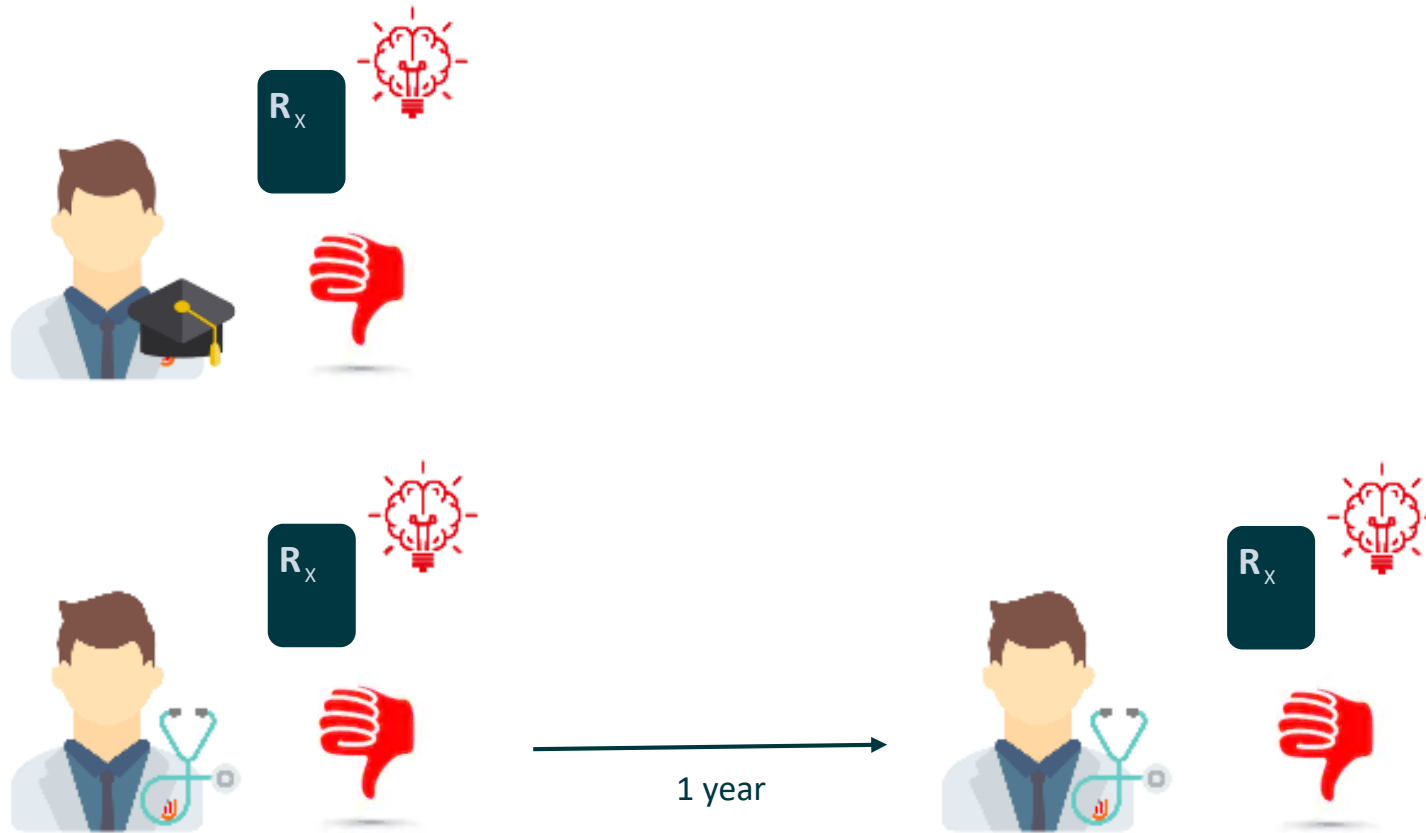
Disclosure Statement

There are no conflicts of interest to declare





Introduction





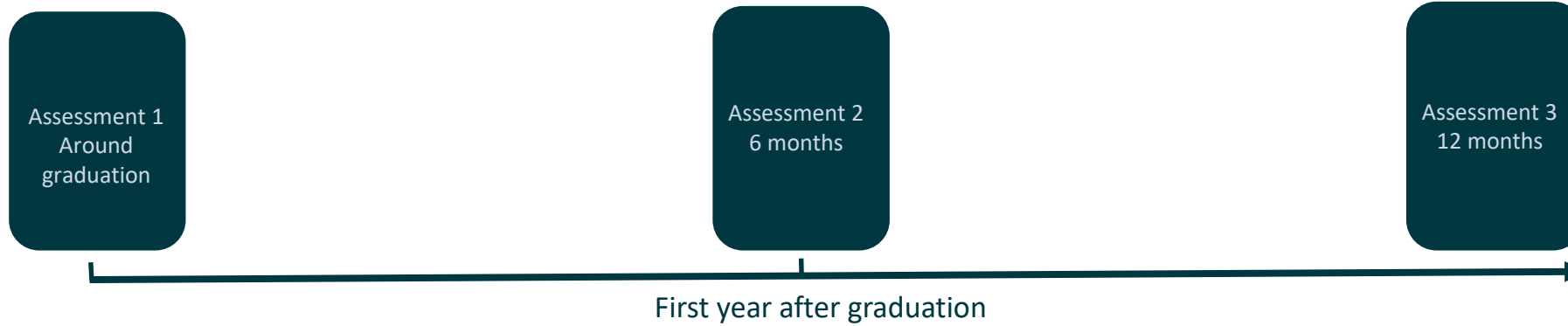
Introduction

- Final assessments
 - The Dutch National Pharmacotherapy Assessment (DNPA)
 - The Prescribing Safety Assessment (PSA)
 - The European Prescribing Exam (EuroPE⁺)
- Including practical education in Clinical Pharmacology and Therapeutics (CPT)
 - Problem-based learning curricula
 - Enriching learning context with real patients





Methods





Methods

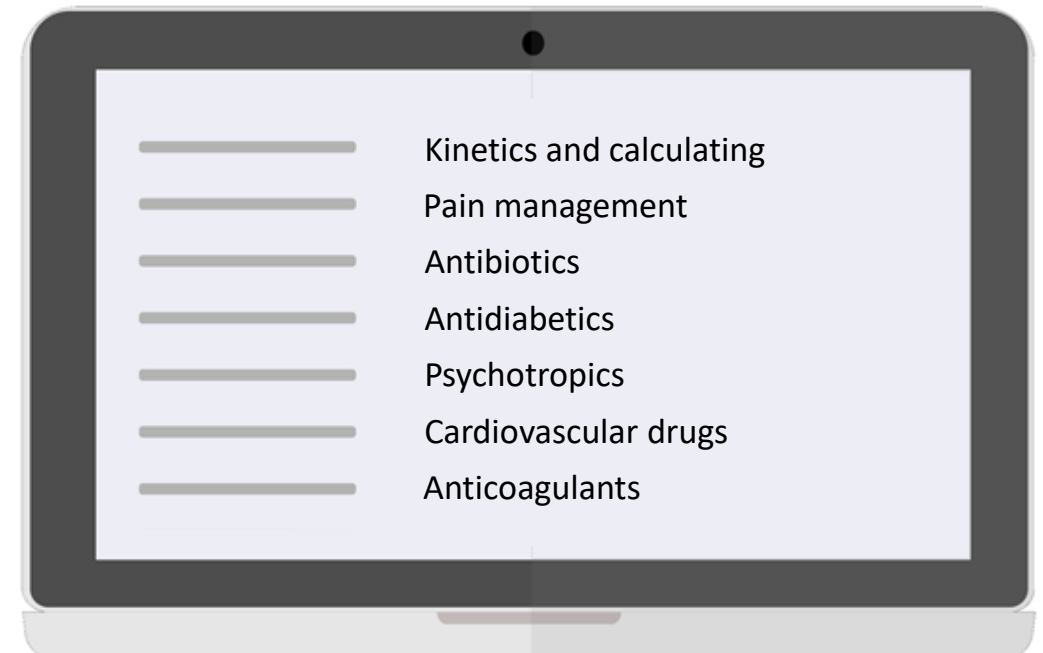
35 multiple choice questions

Extracted from the Dutch National Pharmacotherapy
Assessment

7 topics

3 clinical case scenarios

- Curricula with the DNPA vs. without
- Type curriculum (theoretical vs. practical vs. mixed)





Methods

All three assessment had:

- High content validity
 - 75.8% and 72.7% of all knowledge and skills questions being rated as “essential”
- Sufficient internal consistency
 - Cronbach alpha of 0.70, 0.69 and 0.76
- Poor to adequate ability to distinguish good from poor students
 - R_{ir} -values



Results

1584 Junior doctors invited
July '16 - March '17

556 Junior doctors
participated

326 Junior doctors
completed the study

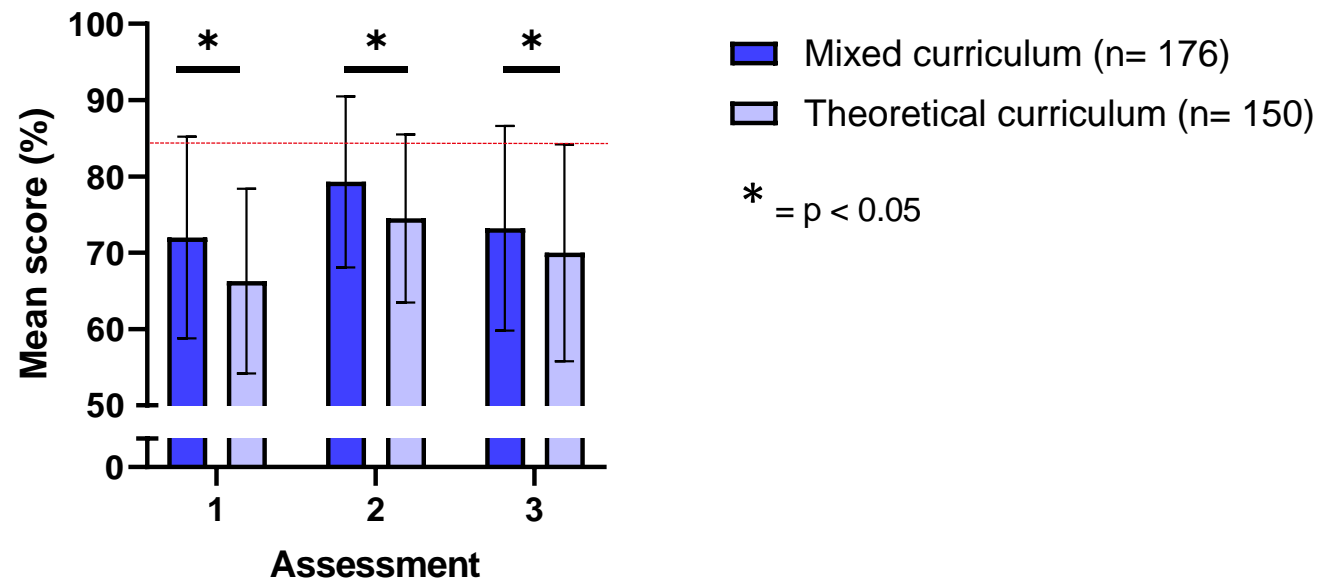
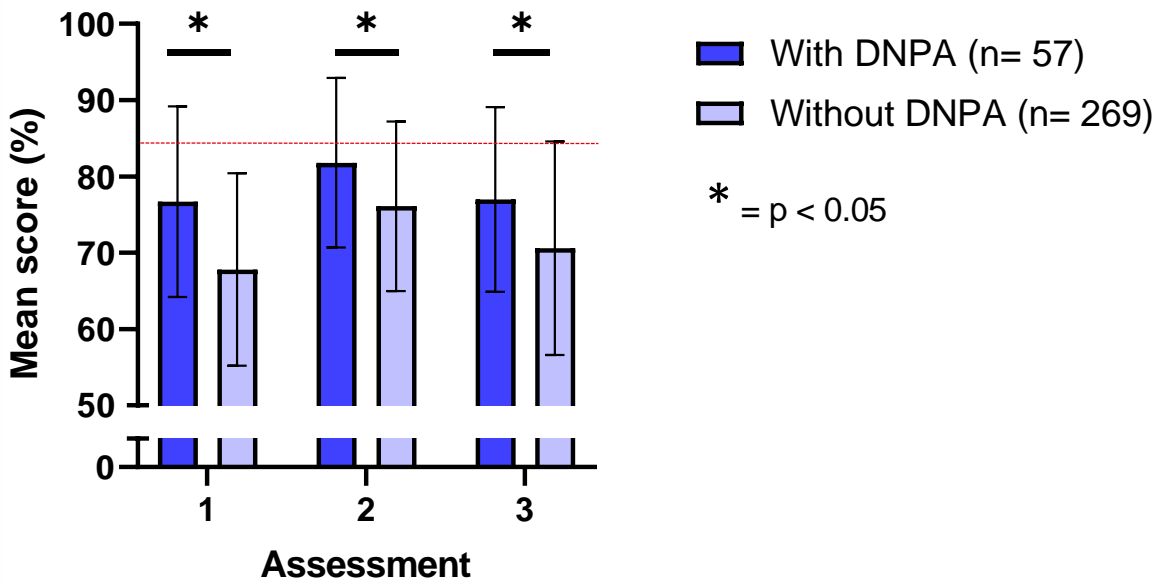
11 Universities from
Belgium and the
Netherlands

Medical school	DNPA	Type of curriculum	Type of assessments in curriculum	No. of participants	Percentage (%)
X	Yes	Mixed	Written, oral	57	17.5
1	No	Mixed	Written, oral, in clinics	23	7.1
2	No	Mixed	Written, oral, portfolio	22	6.7
3	No	Mixed	Written, portfolio, in clinics	10	3.1
4	No	Mixed	Written, oral, portfolio, OSCE, in clinics	34	10.4
5	No	Mixed	Written, in clinics	30	9.2
6	No	Traditional	Written	17	5.2
7	No	Traditional	Written, OSCE	45	13.8
8	No	Traditional	Written, portfolio	10	3.1
9	No	Traditional	Written	47	14.4
10	No	Traditional	Written, oral, in clinics	31	9.5
				326	100



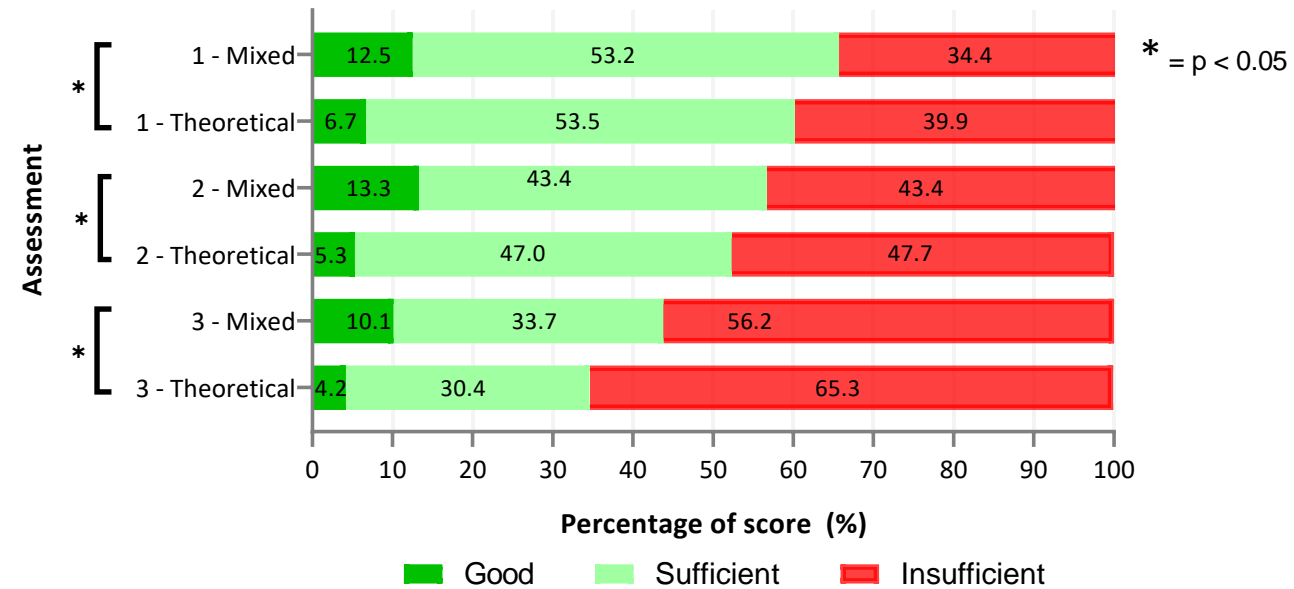
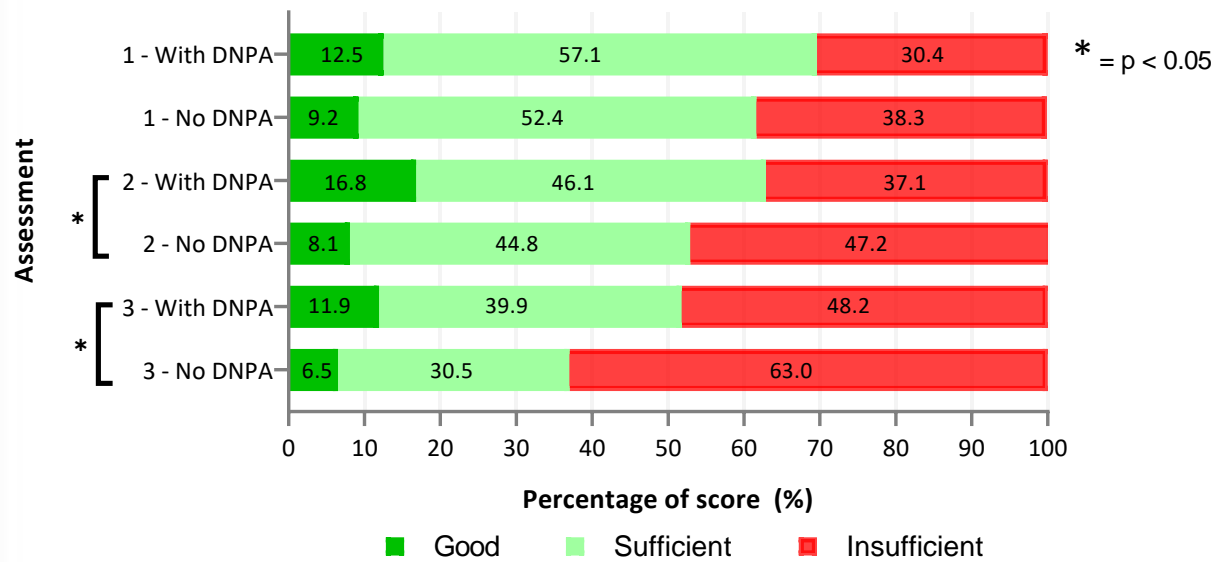


Results (knowledge part)





Results (skills part)





Conclusion





Discussion/recommendations



- 1.) Implement a final assessment on CPT
But: also include a skills part and other ways of assessment
2. Investigate the impact of programmatic assessment
- 3.) Implement practical CPT education
- 4.) Implement continuing education on CPT for junior doctors



Thank you for listening!

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