

European PRESCRIBING EXAM



Participating universities



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Radboudumc



University of
Zagreb



Nederlandse Vereniging voor
KLINISCHE FARMACOLOGIE
en Biofarmacie



brightalley | CONCLUSION




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Aims:

-  Ensuring that medical students in Europe graduate with prescribing competencies for safe and effective clinical practice;
-  Knowledge and skills;
-  Free of charge



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International objectives on medication safety

Based on the translation of the National objectives on medication safety of the Dutch National Pharmacotherapy Test on medication safety by Cees Kramers, Jelle Tichelaar and Ben Janssen

Jelle Tichelaar
David Brinkman
Erik Donker
Michiel van Agtmael
Robert Likic
Ylva Böttiger

Thierry Christiaens
Fabrizio de Ponti
Emilio Sanz
Cees Kramers
Paraskevi Papaioannidou
João Costa

Based on:

- The Key Learning outcomes for CPT education in Europe¹
- The Essential diseases in prescribing²
- The Dutch National Pharmacotherapy Assessment³



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			Subject with number of questions								
			Analgesics	Anticoagulants	Antimicrobials	Cardiovascular drugs	Respiratory drugs	Psychotropics	Emergency medicines	Other	Medication review
			Weighting: Medium	Weighting: Medium	Weighting: Small	Weighting: Big	Weighting: Small	Weighting: Medium	Weighting: Small	Weighting: Small	Weighting: Big
Category	Skills	Prescribing*	2	2	-	3	1	2	1	-	-
		Medication review	-	-	-	-	-	-	-	-	12
	Knowledge**	3	3	3	3	3	3	3	3	3	-

* At least 3 cases with a calculation (e.g. dose adjustment for children or reduced kidney function), at least one question with pregnancy or lactation

Categories per subject

1. Medications
2. Indications
3. Side effects
4. Patients at risk / contraindications
5. Interactions
6. Measures to prevent problems
7. Measure to take if a problem arises



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- 11 prescriptions for clinical cases

DOES

- 12 medication reviews (multiple answer)

SHOWS

- 12 Multiple choice questions

KNOWS HOW

- 12 Multiple choice questions

KNOWS



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Case

A 58-year old man presents at the emergency department with abdominal pain. He tells you that he had a severe pain attack in his right flank with radiation to his loin which lasted for about 40 minutes. During the pain attack, he suffered from nausea and vomiting. Right now he is pain free.

Physical examination

Vital parameters: Blood pressure 138/82 mmHg, pulse rate: 88/min regular, respiratory rate 14/min oxygen saturation 99%, temperature: 37,4 °C
Abdomen: soft, painful right flank, normal bowel sounds, no abnormal abdominal masses.

Medical history

None

Medication

None

Laboratory results

No recent findings

Additional tests

None

Question

Your working diagnosis is a urolithiasis (kidney stones). Write one or more drug prescriptions that are MOST appropriate to treat the pain when it reoccurs and the patient is at home.

Prescription

Drug	<input type="text" value="Ibuprofen"/>
Dosage form	<input type="text" value="Suppository (Rectal)"/>
Dose	<input type="text" value="400"/>
Unit	<input type="text" value="mg"/>
Frequency	<input type="text" value="When needed"/>


Additional prescription (if necessary)



[Click here if you want to prescribe another drug.](#)






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Medical education and training
Protocol

European List of Essential Medicines for Medical Education: a protocol
for a modified Delphi study 

 Erik Donker^{1, 2}, David Brinkman^{1, 2}, Milan Richir^{1, 2}, Paraskevi Papaioannidou³, Robert Likic^{4, 5},  Emilio J Sanz⁶,
Thierry Christiaens⁷, João Costa⁸, Fabrizio De Ponti⁹, Milo Gatti⁹, Ylva Böttiger¹⁰, Cornelis Kramers¹¹, Sarah Garner¹²,
Rahul Pandit¹³, Michiel van Agtmael^{1, 2}, Jelle Tichelaar^{1, 2}
Correspondence to Erik Donker; e.donker@amsterdamumc.nl

-  102 medicines
-  Available in > 80% of the countries
-  Specific adjustments in the exam can be made



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- Penultimate of finale year medical students
- Knowledge part (use of resources NOT allowed)
- Skills part (resources allowed)

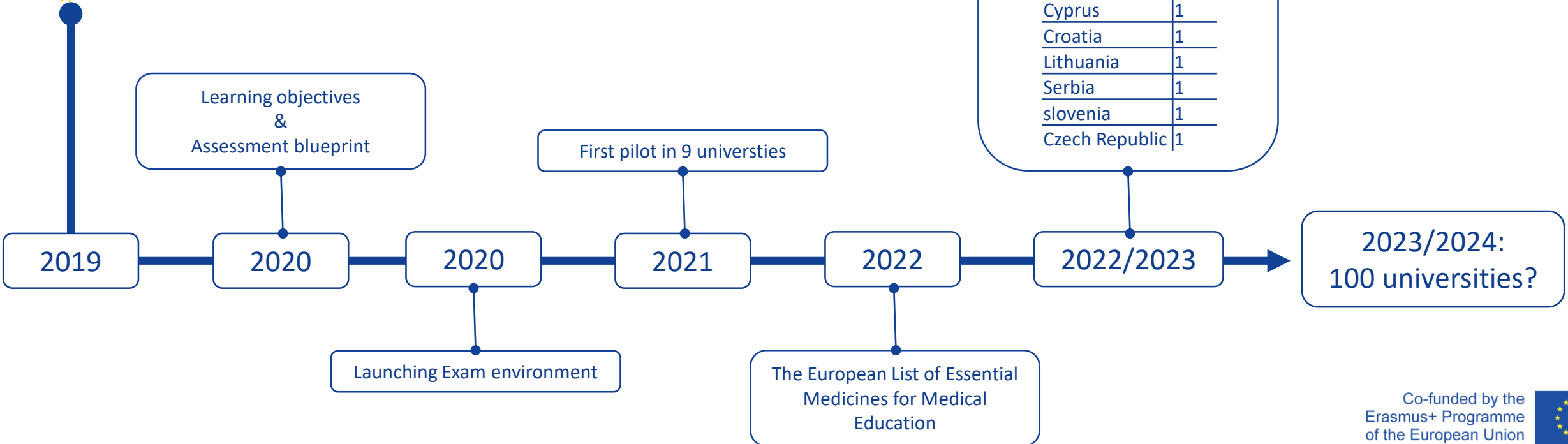
- 2 hours



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Pilot with over 30 universities

Spain	6
Germany	4
Poland	4
France	3
Portugal	2
Romania	2
Sweden	2
Belgium	1
Bulgaria	1
Cyprus	1
Croatia	1
Lithuania	1
Serbia	1
slovenia	1
Czech Republic	1



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Interested to participate?

→ e.donker@amsterdamumc.nl

Interested to contribute?

→ e.donker@amsterdamumc.nl

→ Multiplier event in Amsterdam on the 10th and 11th of November 2022

