



— 9<sup>TH</sup> —

EUROPEAN  
BOARD  
EXAMINATION

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IN

NEUROLOGY

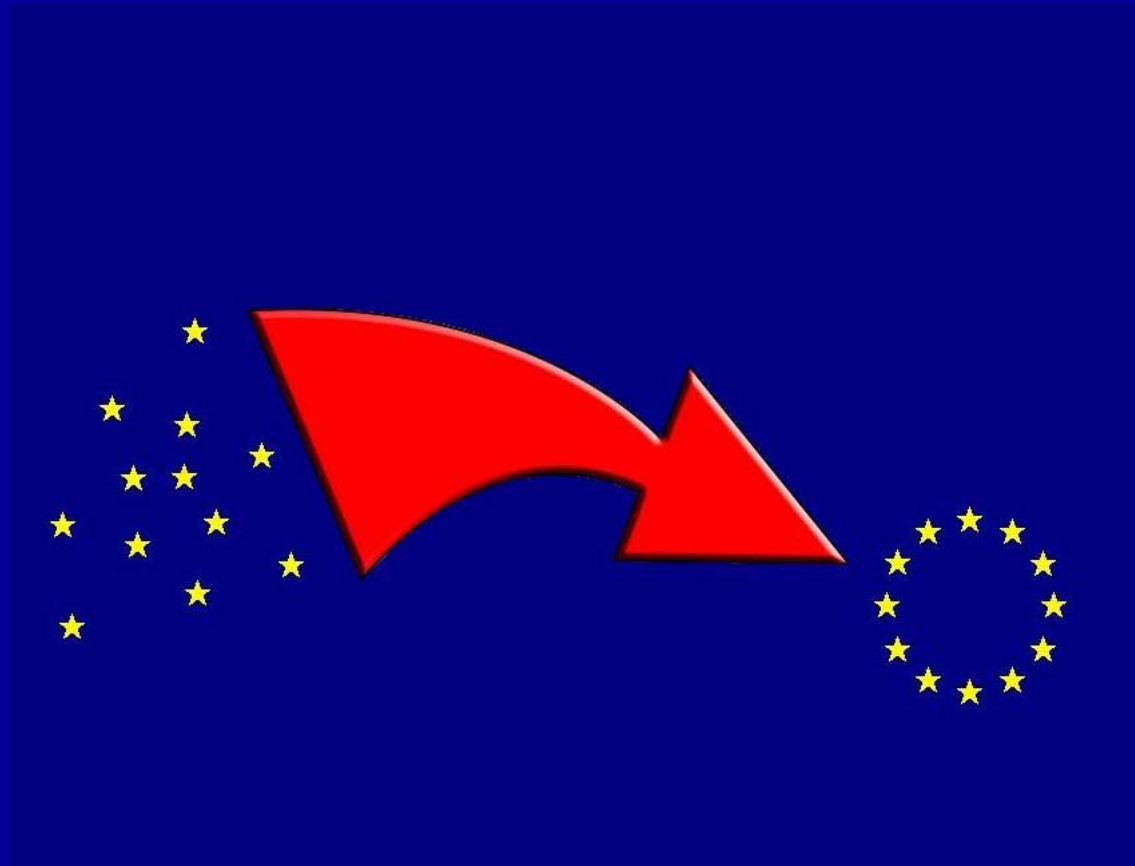


— Amsterdam • June 23 2017 —

# Why setting up a European board Examination ?



# The European Board of Neurology aims at Harmonisation of Postgraduate Training of Specialists.



But why setting up an  
Examination ?



# Because.....

## Assessment



...is the *engine* which drives *student learning*

(John Cowan)

## The Purpose of...

assessment is to **INCREASE** quality.



evaluation is to **JUDGE** quality.

Too short and not enough leaves. C-



# Candidates' opinions\*

## The value of an Exam anyway



- It should be a statement of excellence if properly managed.
- Improving education
- The questions and exam modules really test the ability of the candidate in way that covers all the fields in practical work.
- Important to get more experience
- It is always good to be able to test knowledge especially by an objectively constructed exam.
- It helps for an external validation of my knowledge.

\*Survey taken at the Berlin Examination 2015

# Survey\*



Do you feel a European board exam  
useful while having other postgraduate  
exams available as well?



Disagree

1

2

3

4

5

Agree

\*Survey taken at the Berlin Examination 2015

Is this an individual  
initiative of neurologists ?



No!  
it isn't





# European Examinations



Allergology and clinical Immunology  
Anaesthesiology  
Cardiovascular Surgery  
Dermatology and Venerology  
Endocrine Surgery  
Gastrointestinal Medicine  
General Surgery  
Hand Surgery  
Internal Medicine  
Intensive Care  
Neurology  
Neurosurgery  
Nuclear Medicine  
Ophthalmology



Oral Surgery  
Orthopedics and Traumatology  
Otolaryngology  
Pathology  
Pediatric Surgery  
Pulmonology  
Rehabilitation Medicine  
Reconstructive Surgery  
Surgical Oncology  
Transplantation Medicine  
Urology  
Vascular diseases  
Vascular Surgery



How many candidates  
take the Exam ?



In 2016 we had  
72 participating  
candidates

We are aiming  
at far more!

Is the examination  
only for Europeans?



**No!**

Other participants  
are most welcome  
as well.



Copenhagen 2016

Albania	1	Norway	1	Morocco	1
Austria	1	Poland	2	Tunesia	1
Azerbaijan	2	Portugal	4	Egypt	5
Belgium	6	Spain	2	Sudan	5
Denmark	1	Turkey	5	Iraq	1
France	2			Saudi Arabia	6
Germany	6			Syria	1
Ireland	1			Jordania	1
Italy	6			Pakistan	1
Macedonia	1			India	3
Malta	2			USA	2
Netherlands	1			Japan	1

72 candidates participated

Is there an admission fee?



## Admission Fees (in EUR)

	Payment received before February 23rd	Reduced fees Payment received before March 23rd	Regular fees Payment received from March 23rd on
Associate members from EAN (*group 1)	600	650	700
Non European countries	750	800	850
Associate members from EAN (*group 2) and low and lower middle income countries according to the link below	350	400	450

*\*Group 1: EAN - Associate Member societies from Austria, Belgium, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg, Norway, Poland, Portugal, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, The Netherlands, Turkey, United Kingdom*

*\*Group 2: EAN - Associate Member societies from Albania, Algeria, Armenia, Azerbaijan, Belarus, Bosnia & Herzegovina, Bulgaria, Egypt, FYRO Macedonia, Georgia, Jordan, Kazakhstan, Kyrgyzstan, Lebanon, Libya, Moldova, Montenegro, Morocco, Palestine, Romania, Serbia, Syria, Tunisia, Ukraine, Uzbekistan*

**The amount of the admission fees is according to the candidates' place of work.**

To get sure about the classification of low and lower-middle-income economies please find the following link:

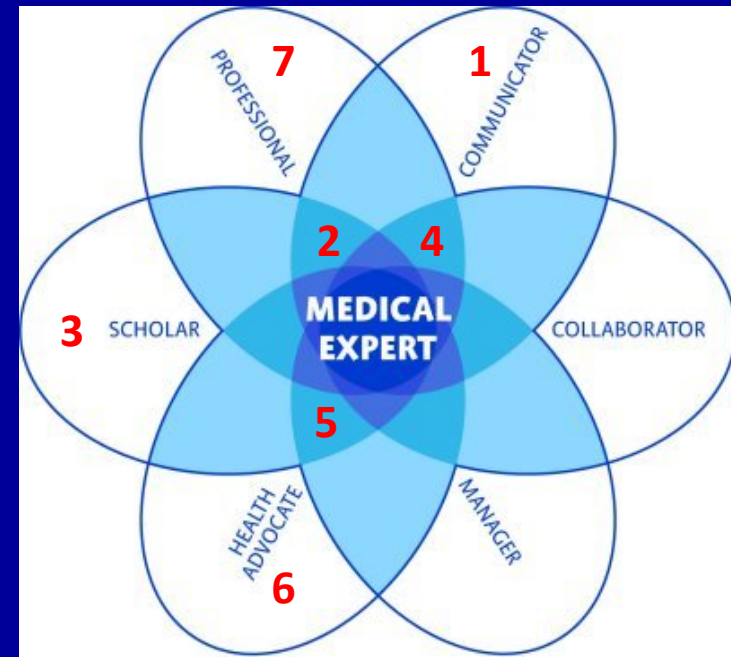
[http://data.worldbank.org/about/country-and-lending-groups#Low\\_income](http://data.worldbank.org/about/country-and-lending-groups#Low_income)

Which competencies  
will be tested?





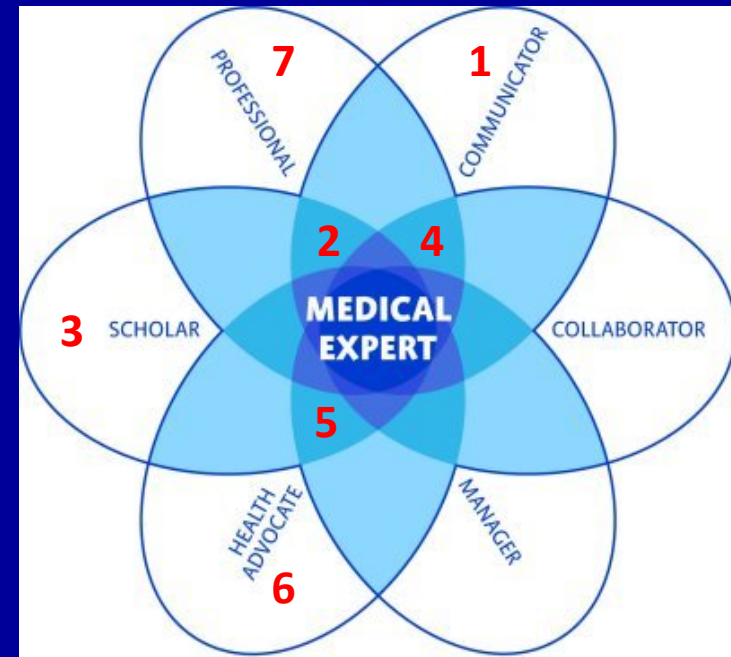
We do not only want to test dry knowledge but other competencies as well.



We do not want to take a snapshot on the day of the examination, we want to test your competencies from daily life.

Therefore we also test

- Problem solving
- Presentation abilities
- Handling knowledge
- Ethics and Public Health



We allow you to do part of the exam at your own desk and to use your own books during the Exam!

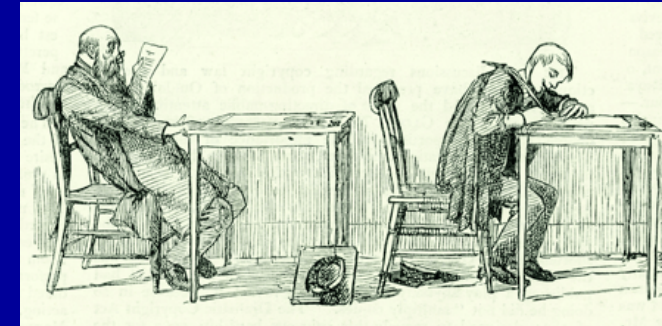


This is what we want to avoid.....

How can we  
prepare ourselves?



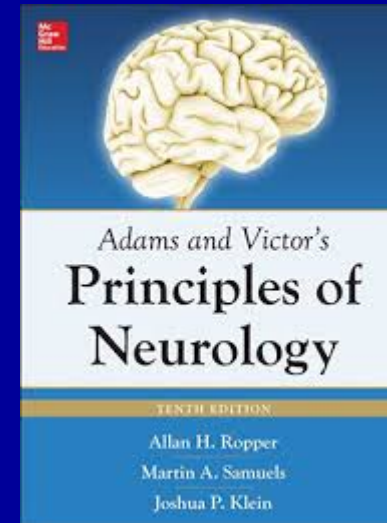
About 80% has been taken from the following sources



Electronic Courses (EAN)



European Guidelines (EAN)

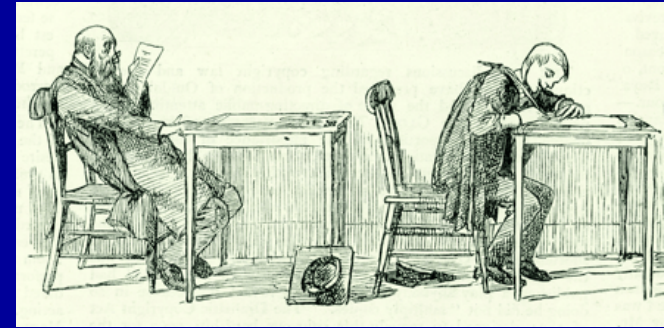


Textbook

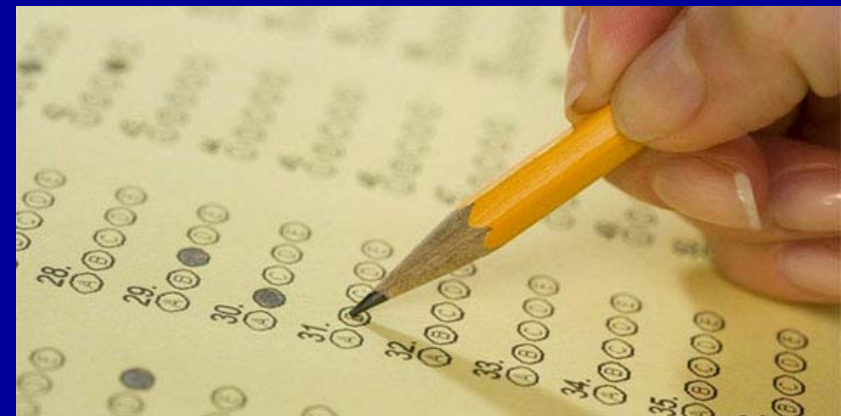
How will this  
be examined?



# Knowledge (80%)



- About 100 Multiple Choice Questions
- Basic and Clinical sciences following our Core Curriculum, see website
- $\pm$  70% Open Book



# MCQ closed Book

8. Which of the following statements, concerning neurological complications of uremia, is most valid?

- A. Motor phenomena usually occur late in the course of uremia
- B. The degree of encephalopathy generally correlates well with blood urea nitrogen levels
- C. Uremia may lead to neck stiffness
- D. Flapping tremor differentiates uremic from hepatic encephalopathy
- E. Signs of cerebral edema are notably present at imaging even if there are no clinical symptoms

8 3 5 0.194 -.008 0.240 69.42 62.04 0.32 0.26 0.19 0.08 0.13 0.60 0.10 21

9. What characterizes steroid myopathy?

- A. Weakness is mainly distally localized
- B. The severity of symptoms is related to the duration of therapy
- C. The EMG shows fibrillations
- D. Biopsies disclose secondary inflammatory cells
- E. Serum CK is usually normal

9 5 5 0.710 0.637 0.182 64.89 60.00 0.00 0.19 0.03 0.05 0.71 0.60 0.10 9



# MCQ open Book

A 60-year-old female patient is treated for rheumatoid arthritis with methotrexate.

She develops a syndrome with headache, fever, vomiting in a couple of days. Her GP prescribed ampicillin, suspecting her from a lower airway infection.

Thereafter she developed a meningitis with involvement of the right facial and left oculomotor nerve.

Lumbar puncture revealed increased intrathecal pressure with milky CSF with polymorphonuclear pleocytosis ( $>6000/\text{cc}$ ), low sugar and increased protein.

**15. What should be added to the antibiotic regimen, given these results, whilst waiting for further CSF analysis?**

- a. Aciclovir.
- b. Amphotericin.
- c. Ceftriaxone.
- d. Gentamycin.**
- e. Tuberculostatics.

# Other competencies

- Public Health, Ethics, Handling Knowledge
- This can be prepared at home.
- Essays and a presentation should be sent in for an oral examination\*.



See also

[www.uems-neuroboard.org](http://www.uems-neuroboard.org)

\*Scanning for plagiarism!

# Total Results



Excellent 4%

Good 56%

Fair 20%

Borderline 13%

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Fail 7%

Copenhagen 2016

Why should we take  
this examination?





To help you migrating within Europe  
To show your level of excellence



and to become a

*Fellow of the  
European Board of Neurology*

# More Information ?



[www.uems-neuroboard.org](http://www.uems-neuroboard.org)  
and  
[j.b.m.kuks@umcg.nl](mailto:j.b.m.kuks@umcg.nl)



# Survey\*



Are you satisfied with the information given before the exam and with the help by e-mail?



Disagree

1

2

3

4

5

Agree

\*Survey taken at the Berlin Examination 2015



# 9<sup>TH</sup> EUROPEAN BOARD EXAMINATION IN NEUROLOGY 2017



The Movement Disorder Society



ebroin



UEMS European Board of Neurology  
c/o Mrs Gabrielle Lohner  
Vienna Medical Academy  
Alser Straße 4 | 1090 Vienna | Austria  
uems-sbn@medacad.org

[www.uems-neuroboard.org](http://www.uems-neuroboard.org)

# 9<sup>TH</sup> EUROPEAN BOARD EXAMINATION IN NEUROLOGY 2017

## **EBN Examination Committee**

Prof. Jan. Kuks (chair)

Prof. Sten Fredrikson

## **UEMS-Section of Neurology**

Dr. Alexandre Bisdorff (president)

## **WFN Observer**

Prof. Wolfgang Grisold (past president)

## **DATE**

June 23, 2017

## **LOCATION**

Amsterdam, The Netherlands

at the 3rd Congress of the

European Academy of Neurology

## **VENUE**

Europaplein 22,

1078 GZ Amsterdam

The Netherlands

The Examination is a joint development of the UEMS Section of Neurology and the European Academy of Neurology (EAN).

Since 2013 the examination has been open to candidates worldwide. Successful applicants are awarded the post nominal "Fellow of the European Board of Neurology" (FEBN).

## **FEES**

to be announced on our website.

The examination is not an ultimate test of knowledge but should be seen as a test of competency based on the UEMS adopted roles: Medical Expert, Communicator, Scholar, Health Advocate and Professional.

The process of the examination, list of topics, examples of questions and assignments, examination rules and scoring forms are available on the UEMS/EBN website:

[www.uems-neuroboard.org](http://www.uems-neuroboard.org)

For information regarding application, eligibility criteria and other details please visit our website:

[www.uems-neuroboard.org](http://www.uems-neuroboard.org)

## **CONTACT**

Please contact us through the website:

[www.uems-neuroboard.org](http://www.uems-neuroboard.org)

Only for further information:

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## **GLOSSARY**

UEMS Union Européenne des Médecins Spécialistes [www.uems.eu](http://www.uems.eu)

EBN European Board of Neurology [www.uems-neuroboard.org](http://www.uems-neuroboard.org)

EAN European Academy of Neurology [www.eaneurology.org](http://www.eaneurology.org)

[www.uems-neuroboard.org](http://www.uems-neuroboard.org)

[www.uems-neuroboard.org](http://www.uems-neuroboard.org)



Looking forward to seeing all of you  
in Amsterdam