# Umbrella Consortium for Assessment Networks

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# What is UCAN?

- Started in 2006 in Heidelberg, Munich & Berlin
- Non-profit, academic organization
- Only the costs are shared annually
- No sales taxes

- Objectives:
  - Common exchange in the field of assessment
  - Quality assurance, establishment of standards
  - Optimization of resources
  - Support innovative formats
  - Further development & research

# UCAN today: 58 partners in 7 countries
# 4,900 users & 1,450 groups

## Germany

- 20 medical schools
- 8 dental schools
- 9 medical associations

## Switzerland

- 1 medical school
- 1 university of applied sciences

## Sweden

- 1 medical school

## Australia

- 4 medical schools

## Netherlands

- 1 medical school
- 3 midwifery academies (PT)

## Austria

- 2 medical schools
- 1 dental school
- 1 nursing science school

## Poland

- 1 medical school

## Europe

E.B.E. ORL-HNS UEMS - ORL Section

ESICM European Society of Intensive Care Medicine

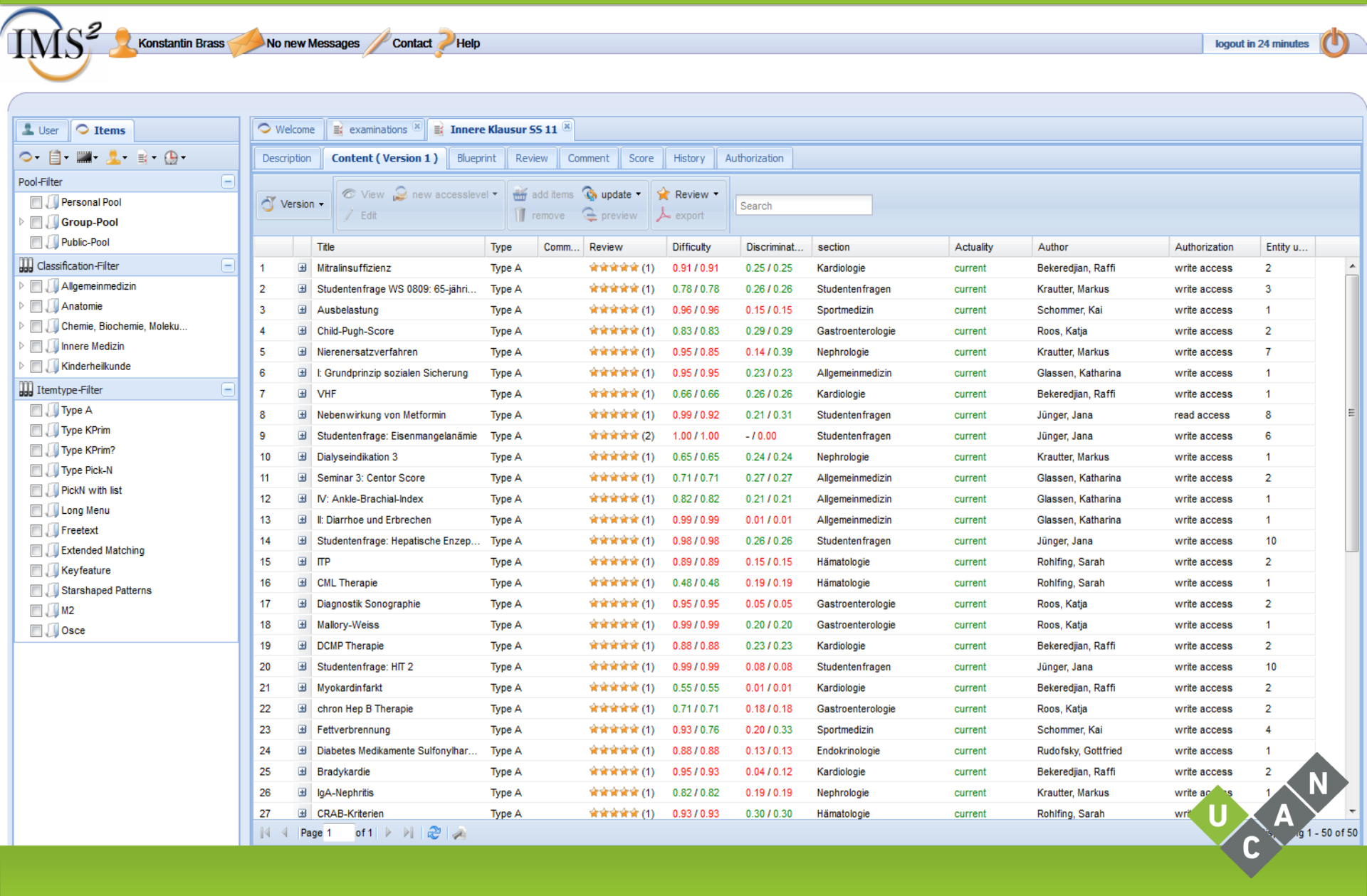
fmch foederatio medicorum chirurgicorum helvetica

UCAN

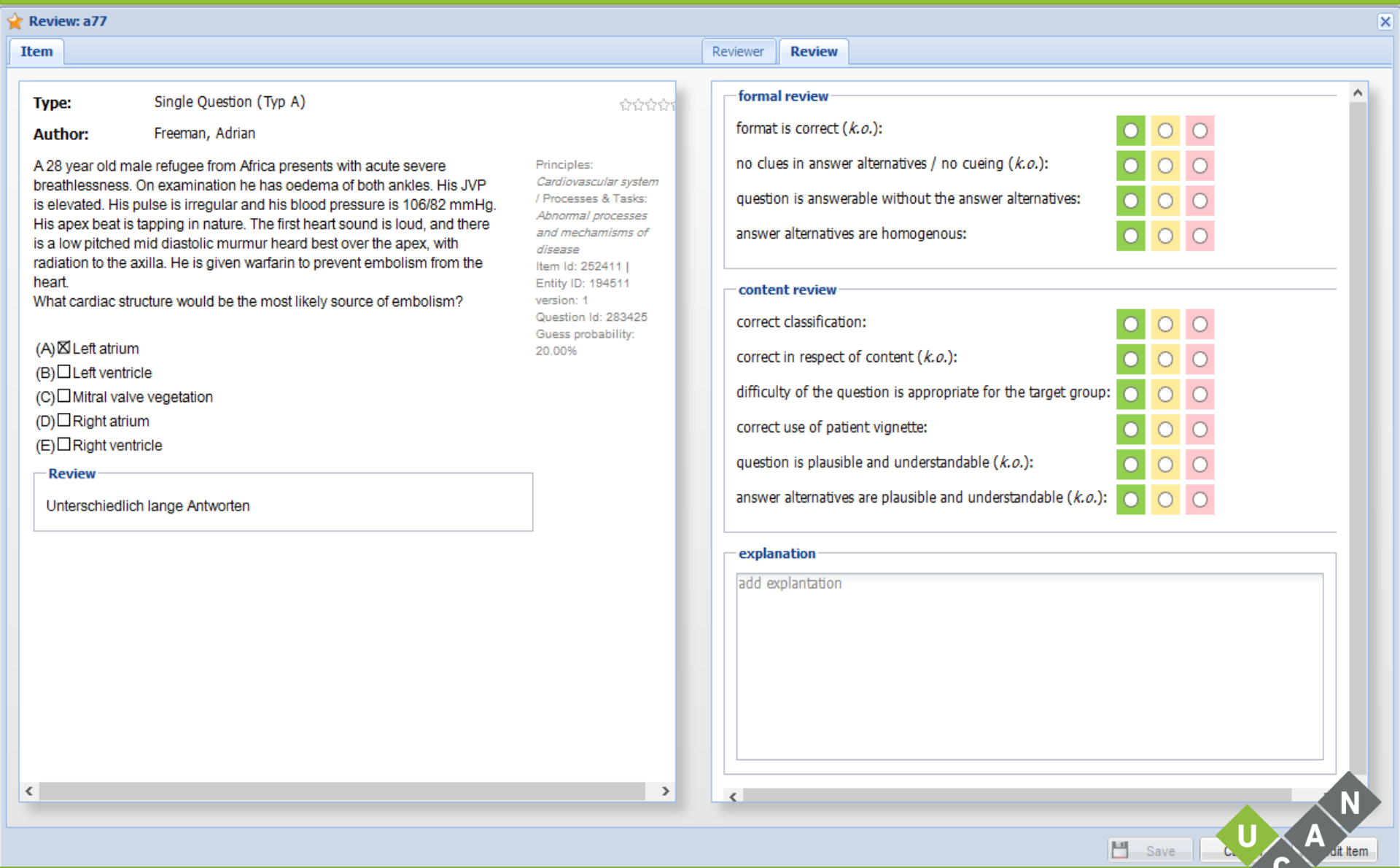
# UCAN: the tools

- ItemManagementSystem:
  - Question- and Item management & exchange
  - Assessment management
  - Review system
- Document reader system: Klaus
- Computer-based assessment: CAMPUS
- Tablet-based assessment: tOSCE, soon: tEXAM & tORAL
- Examinator:
  - Grade calculation
  - Statistical analysis

# Web-based ItemManagementSystem



# Quality assurance: adaptive single or group review



# Integrated tools

Desktop examinations

Examination via tablets (MC, OSCE, oral)

Document-reader-system

# Examinator² for quality assurance: analysis & grading

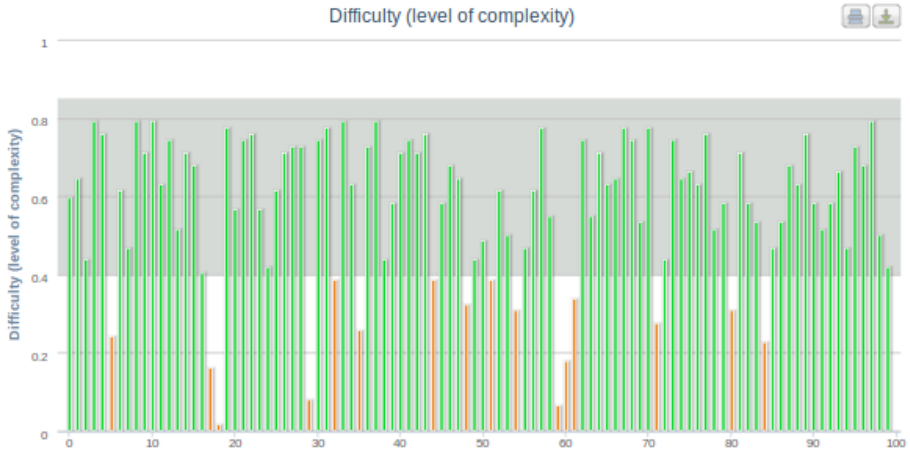
**Headline:** Part I: written European ORL-HNS exam

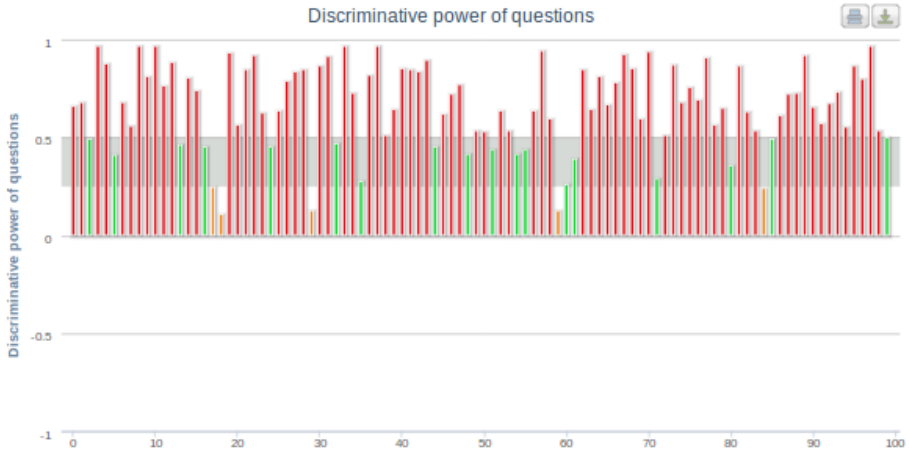
**Second headline:** No headline available

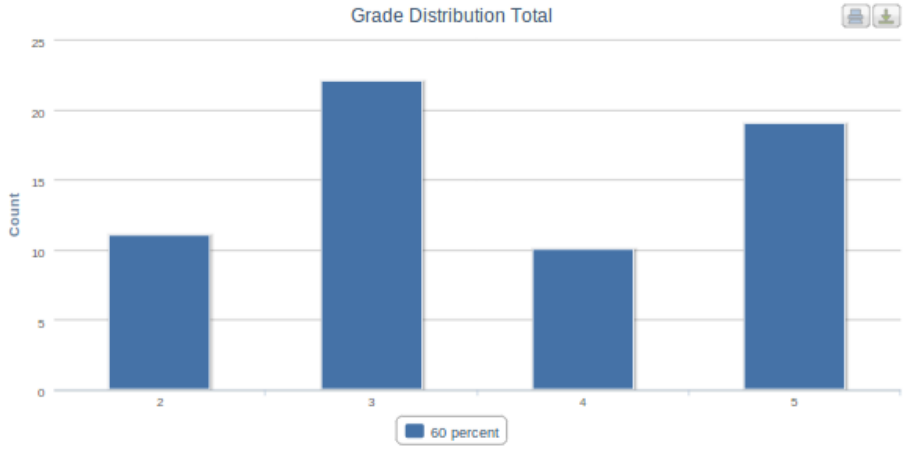
**Author:**

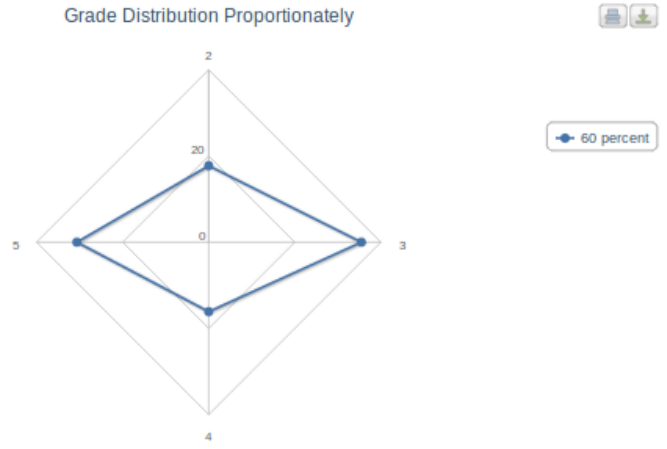
**Introduction:** No introduction available

**Short report:** The examination MCQ for Nizza 2013 written on 4/27/13 contains 100 question, with a maximal point count of 100.0. The average point count is 57.4 (Max. 88.0, Min. 0.0, standard deviation 30.88). The average grade is 3.6 (Max. 5.0, Min. 2.0, standard deviation 1.11).
The passing threshold of 60.0 has been calculated by the rule 60 Prozent. Cronbachs Alpha for this examination is 0.99.
From the 62 candidates, who has been evaluated with the rule 60 Prozent has 42 (67.74%) passed the examination, 20 (32.26%) had not enough points to pass.



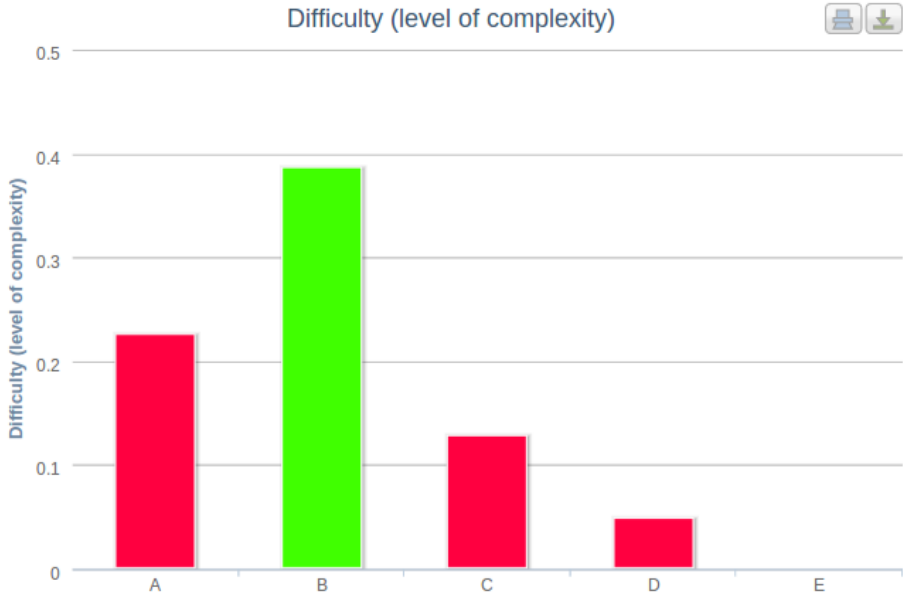
# Quality assurance: Examinator²
# detail view of an item

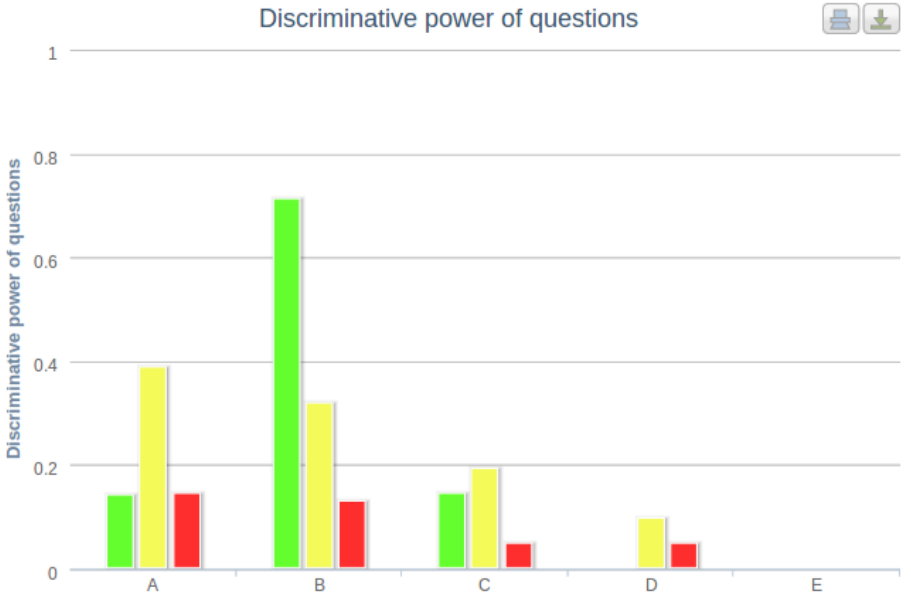
**Type:** Type A

**Author:** Albegger, Klaus

Which class of drugs has xerostomia as a recognised side-effect?

(A) ☐ H2 (histamine) blockers ( 1 )
(B) ☒ Antidepressants ( 1 )
(C) ☐ Alpha-blockers ( 1 )
(D) ☐ ACE (angiotensin-converting enzyme) inhibitors ( 1 )
(E) ☐ NSAID (non steroidal anti-inflammatory drugs) ( 1 )



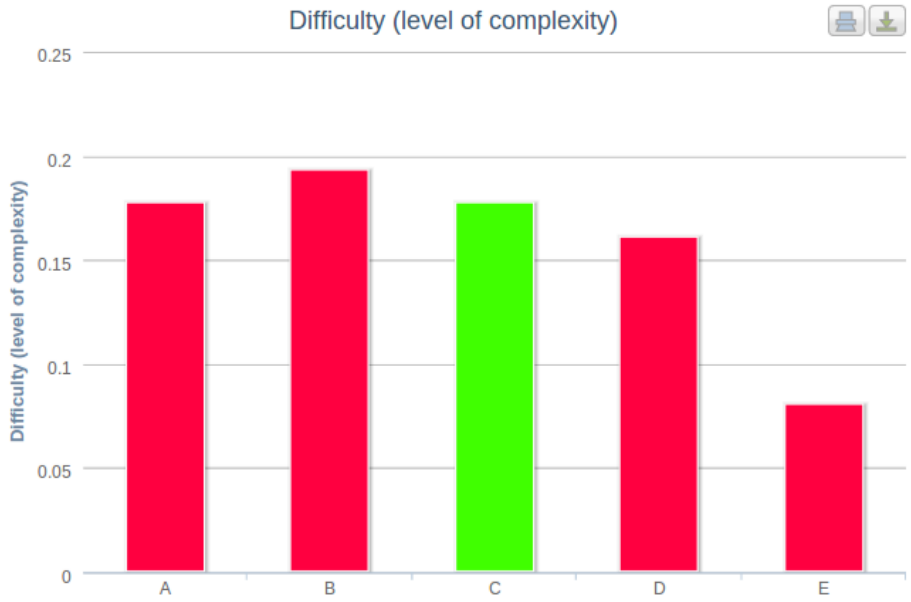
# Quality assurance: Examinator²
# detail view of an item

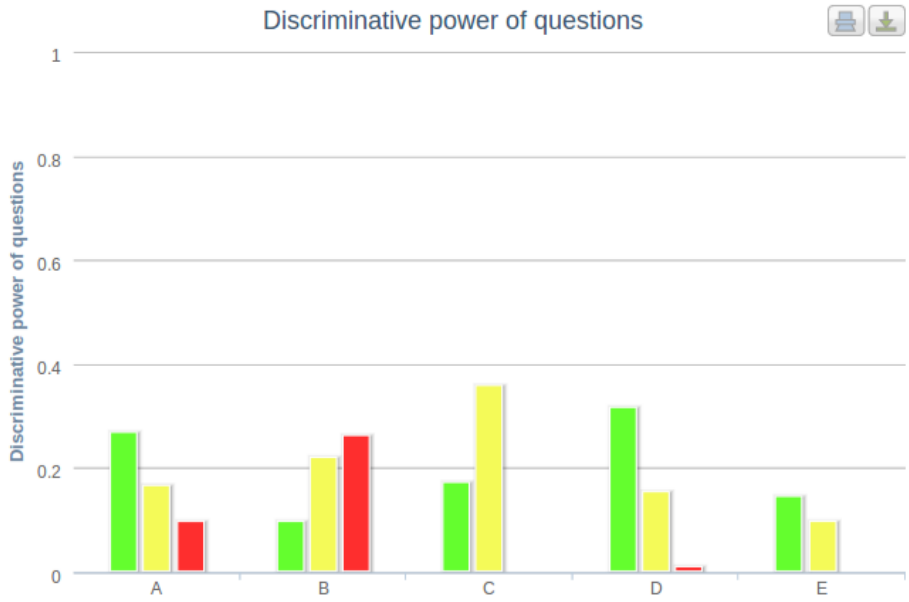
**Type:** Type A

**Author:** Albegger, Klaus

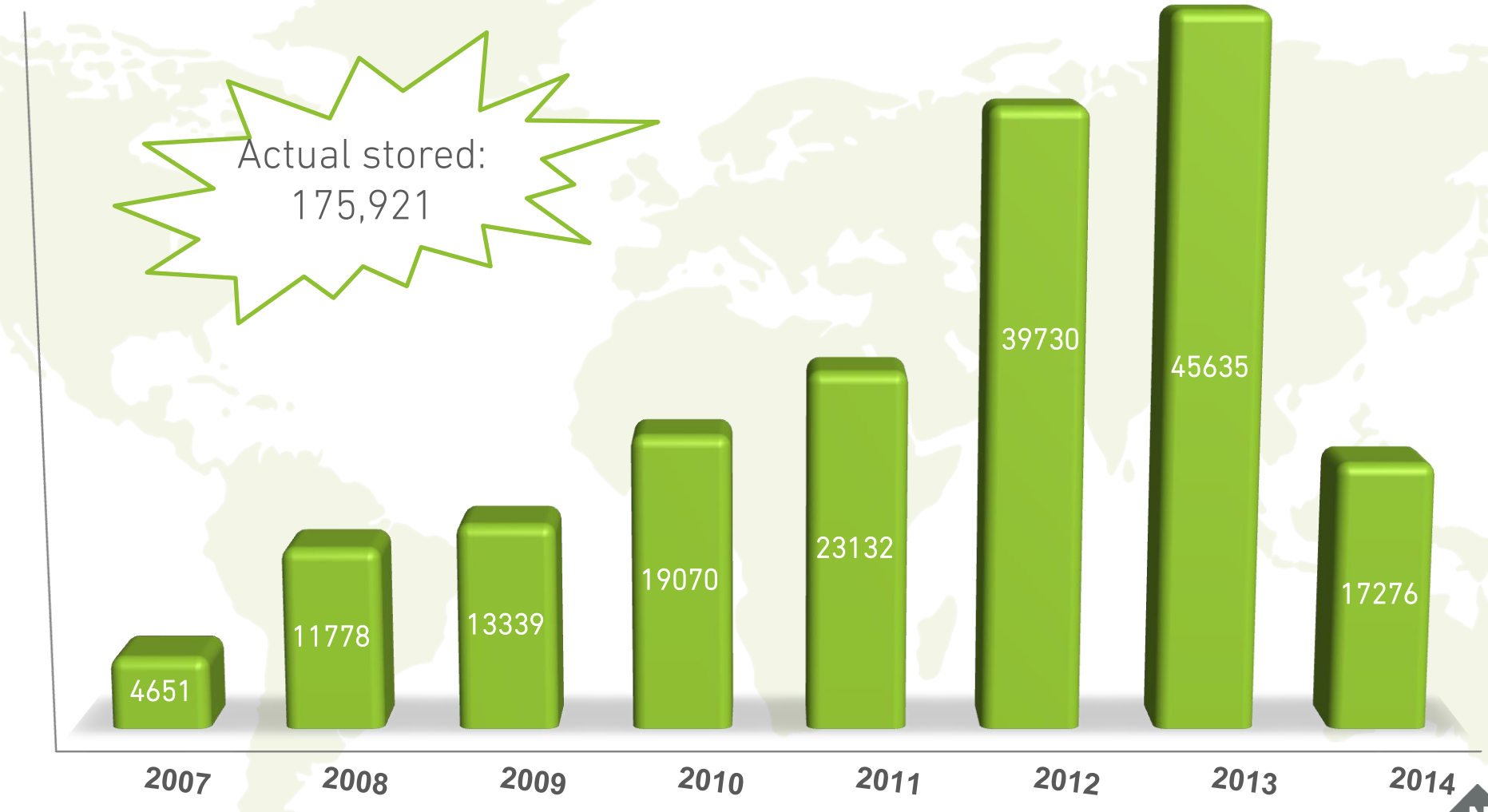
A 47-year old patient presents with nasal obstruction, facial pain and nasal discharge. Your clinical diagnosis is acute rhinosinusitis. What would be the strongest argument for you to prescribe antibiotics?

(A) ☐ Duration of symptoms for more than 3 days ( 1 )
(B) ☐ Recurrent episodes of rhinosinusitis in past medical history ( 1 )
(C) ☒ Coexisting chronic obstructive pulmonary disease ( 1 )
(D) ☐ Discharge only from one side of the nostril ( 1 )
(E) ☐ Associated loss of smell ( 1 )

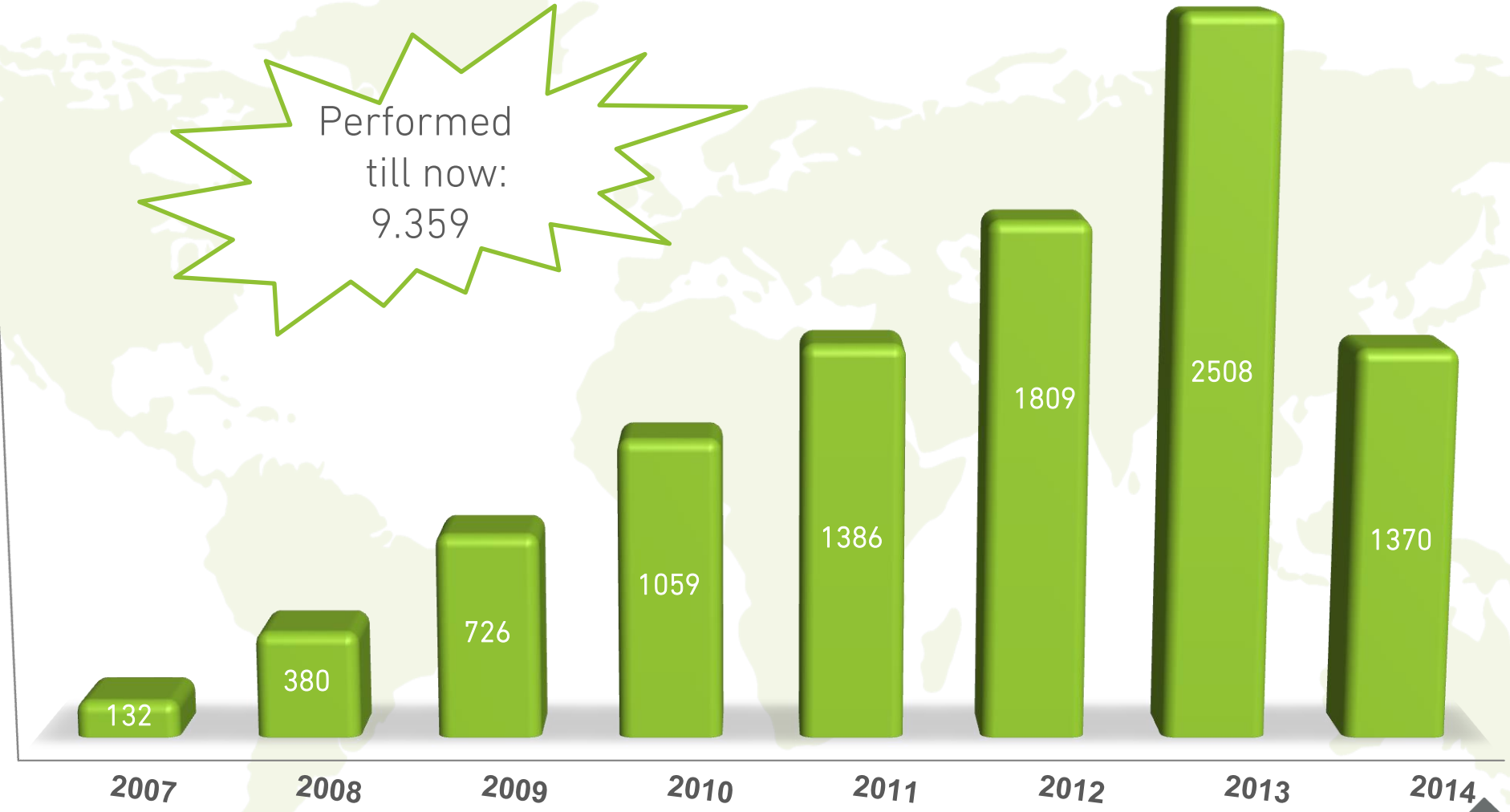


# UCAN: stored questions per year



# UCAN: performed examinatios per year




(approx. 2,000,000 examinees)

# European Boards: performed exams

- 07.04.2013 EBE-ORL: Written exam in Nizza, **50** examinees
- 07.10.2013 EBE-ORL: Written exam in Vienna, **41** examinees
- 15.11.2013 ESICM: Oral exam in 7 countries, **234** examinees
- 11.04.2014 EBE-ORL: Written exam in Antalya, **123** examinees
- 06.05.2014 ESICM: Oral exam **with tablets** in London, Copenhagen, Vienna, Prague, Amsterdam, Barcelona, Zurich , **214** examinees