

**Training in infection in Europe –
progress in curricula and assessments**

Trainees viewpoints and survey results

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on behalf of TAE**

TAE Educational Quiz 2013

- the idea was developed by previous generation of TAE SC
- a succesful pilot online quiz in Oct / Nov 2012
- rationale: increasing move towards European curriculum and European exam
- questions of the quiz prepared by TAE SC, discussed with Advisory Board, many of them similar to the questions used in the Netherlands
- no time limit

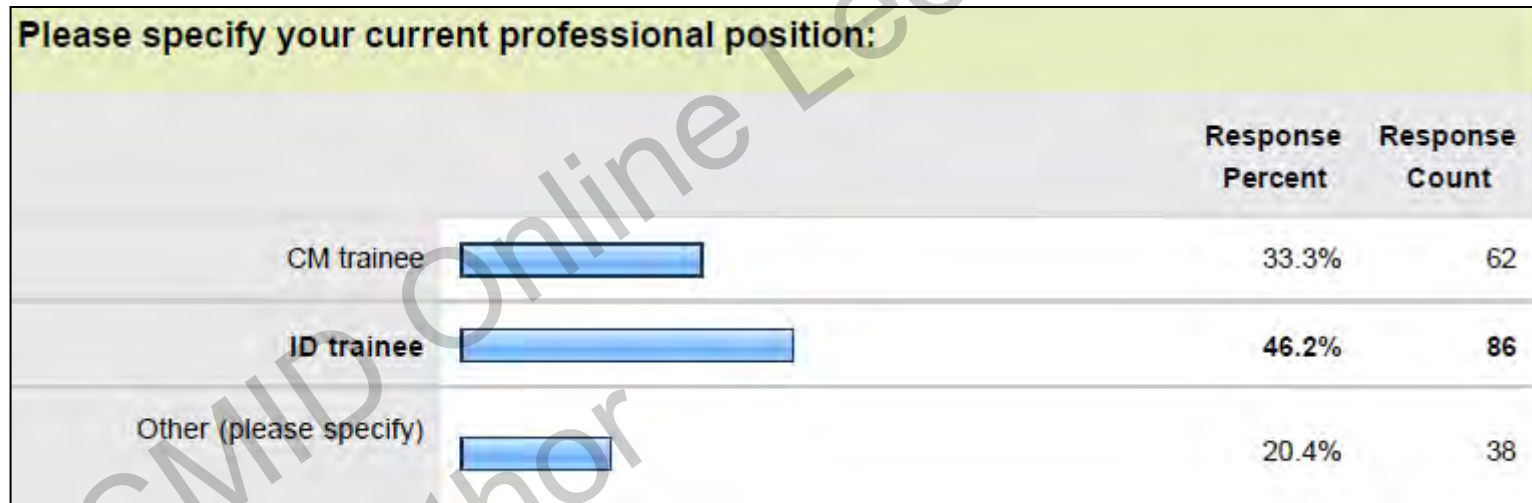
TAE Educational Quiz 2013

- run from 1st September to 31st October 2013 (SurveyMonkey)
- Quiz structure:
 - **6 general questions**
 - Current professional position
 - ESCMID membership
 - Any other Society membership
 - Country of training
 - The year of training
 - Age
 - **20 quiz questions (rated difficulty: LOW, MEDIUM, HIGH)**
 - **4 questions about activities**
 - Participation on ECCMID,
 - TAE Trainees Day (2 questions)
 - Activities organized for the trainees on local, regional or national level

TAE Educational Quiz 2013

186 participants completed the quiz

- 308 participants entered the survey but many of them did not answer any quiz questions

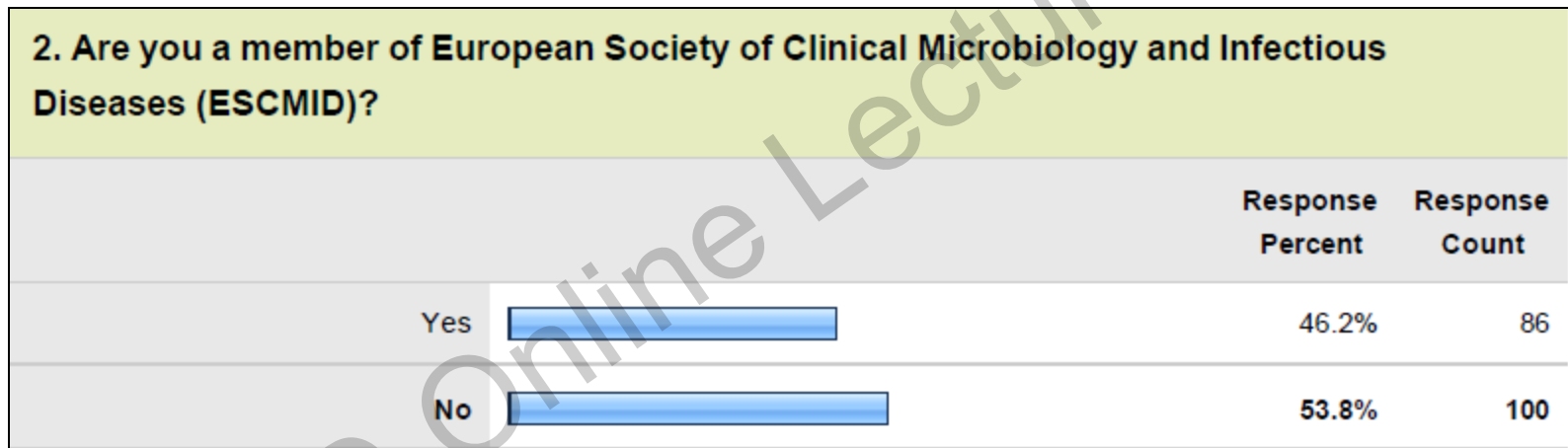


*Other:

- combined CM and ID training
- internal medicine
- CM or ID specialist
- physician
- ...

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ESCMID Membership



86 ESCMID members:

- 61 ONLY ESCMID members
- 25 ESCMID + other society

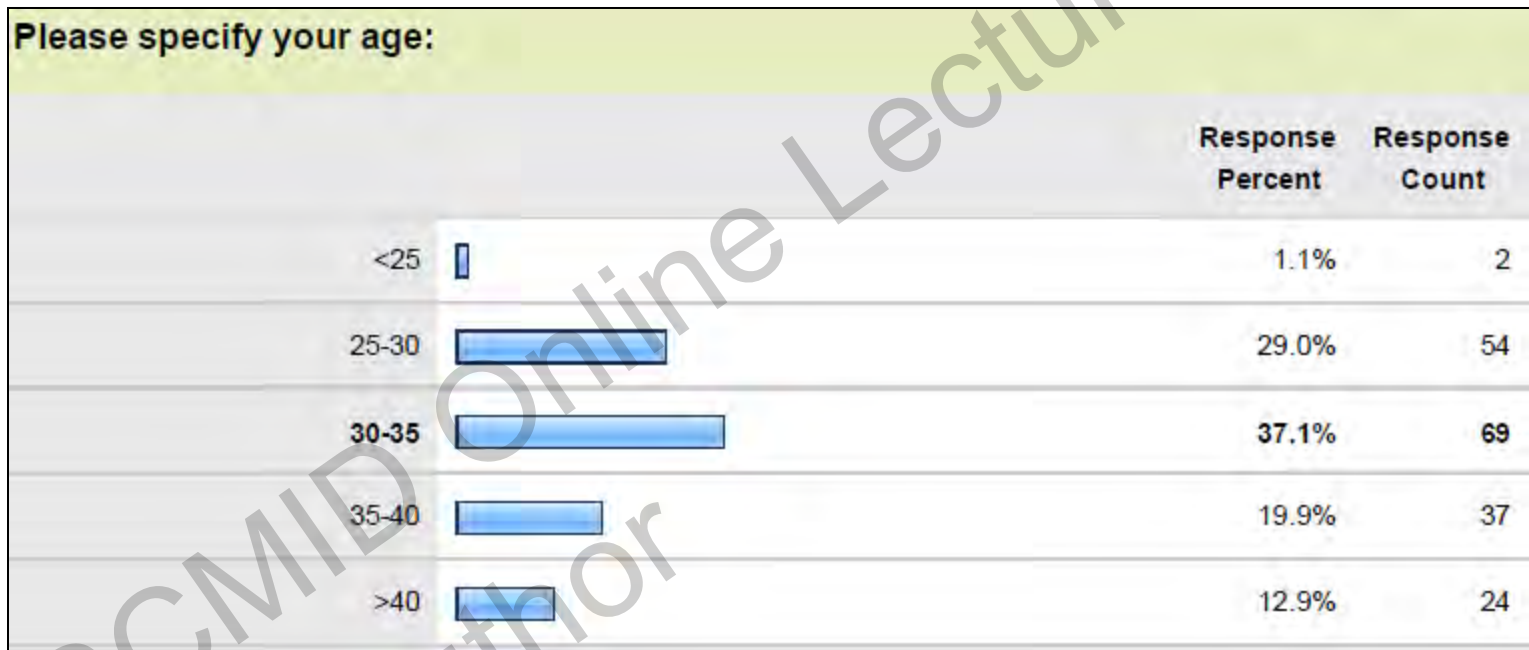
100 non-ESCMID members:

- 20 other society members
- 80 NO society members

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Age of participants






Please specify your age:



TAE Educational Quiz 2013

Year of training

Please specify the year of training in CM or ID:

		Response Percent	Response Count
1st or 2nd year trainee		26.9%	50
3rd or 4th year trainee		26.9%	50
5th or 6th year trainee		14.5%	27
Just finished my training		22.0%	41
Other (please specify)		9.7%	18

TAE Educational Quiz 2013

Countries with the most participants:

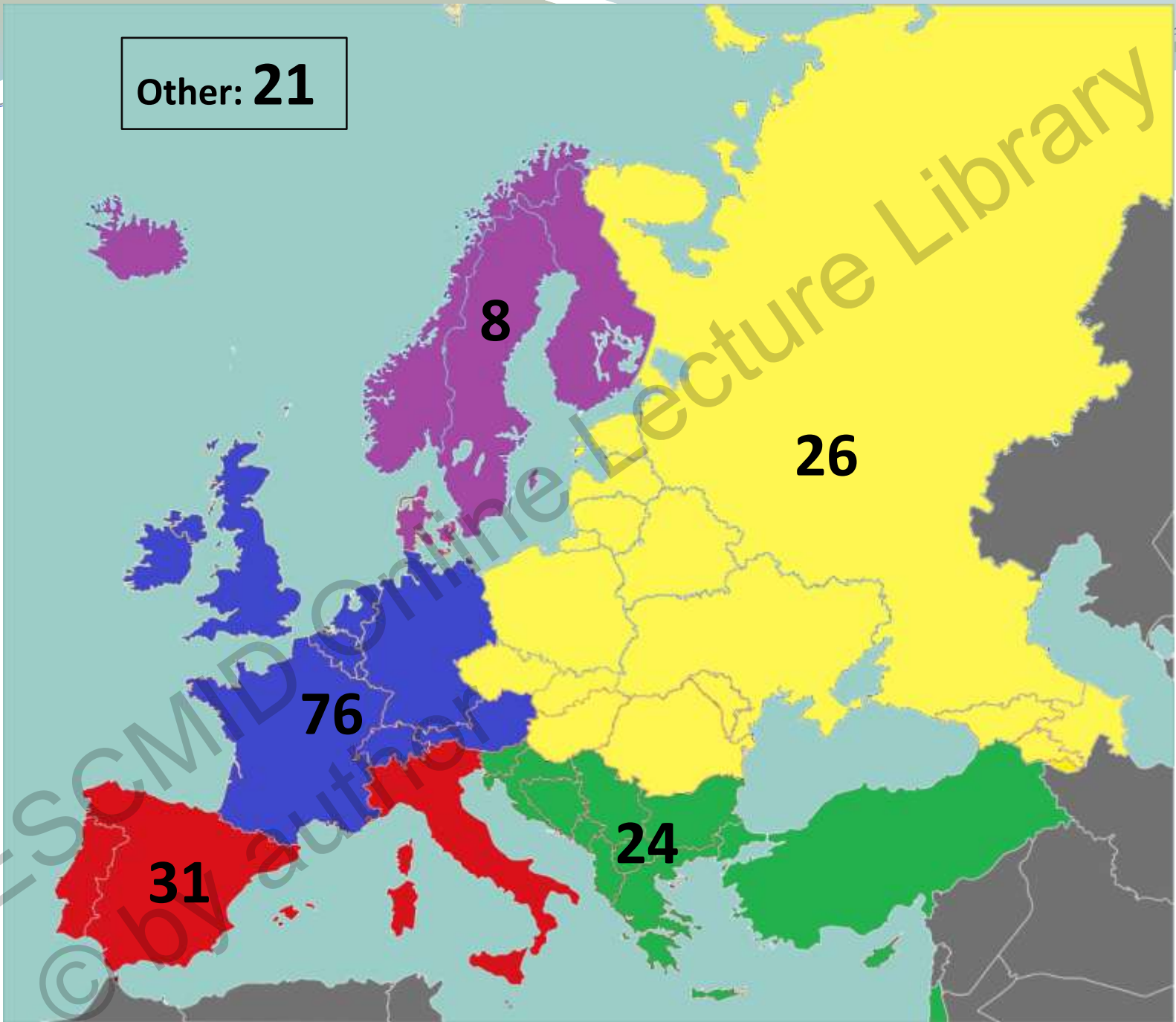
Country	No. of participants
1. The Netherlands	25
2. Germany	20
3. Portugal	18
4. France	14
5. Hungary	12
6. Slovenia, Spain	8
7. United Kingdom	7
8. Estonia	6
9. Denmark	5
10. Croatia, Italy, Switzerland, Turkey	4

TAE Educational Quiz 2013

Participants from 40 countries all over the world:

1. Albania	2	15. Greece	1	29. Russia	2
2. Australia	2	16. Hungary	12	30. Serbia	2
3. Austria	1	17. India	2	31. Singapore	3
4. Belarus	3	18. Iran	1	32. Slovenia	8
5. Belgium	2	19. Ireland	3	33. Spain	8
6. BIH	1	20. Italy	4	34. Sweden	3
7. Brazil	1	21. Kuwait	1	35. Switzerland	4
8. Bulgaria	2	22. Latvia	1	36. The Netherlands	25
9. Colombia	1	23. Lebanon	1	37. Turkey	4
10. Croatia	4	24. Malta	1	38. United Kingdom	7
11. Denmark	5	25. Qatar	1	39. Ukraine	1
12. Estonia	6	26. Pakistan	1	40. USA	2
13. France	14	27. Poland	1		
14. Germany	20	28. Portugal	18		







Other: **21**









21. (scoring: LOW) The incidence of infections with so called extended spectrum beta-lactamases (ESBL) enterobacteriaceae is increasing worldwide. Which answer is **WRONG**?

	Response Percent	Response Count
The usage of 3rd generation cephalosporins is a risk factor for the selection of ESBL Enterobacteriaceae <input type="checkbox"/>	1.6%	3
Patients can be colonized with ESBL without any signs of an ESBL-infection <input type="checkbox"/>	1.6%	3
vancomycin and/or daptomycin are therapeutic options <input checked="" type="checkbox"/>	84.9%	158
Carbapenems have a good efficacy against ESBL Enterobacteriaceae <input type="checkbox"/>	6.5%	12
Klebsiella pneumoniae ssp. and Escherichia coli are the most common members of ESBL Enterobacteriaceae <input type="checkbox"/>	2.7%	5
I don't know <input type="checkbox"/>	2.7%	5
answered question		186

26. (scoring: MEDIUM) A 33 year old man has been on a vacation to Finland. He is suffering from fever, malaise, several lymph nodes in his groin area and an eschar on his leg. The cultures show a coccobacillar gram negative rod on the cystein plates. Which microorganism has been cultured?

		Response Percent	Response Count
Rickettsia spp.		18.8%	35
Francisella tularensis		57.5%	107
Brucella suis		5.9%	11
Abiotrophia defectiva		0.5%	1
Erysipelothrix rhusiopathiae		7.0%	13
I don't know.		10.2%	19
answered question			186

15. (scoring: MEDIUM) Which of the following micro-organisms is NOT acquired from drinking raw milk?

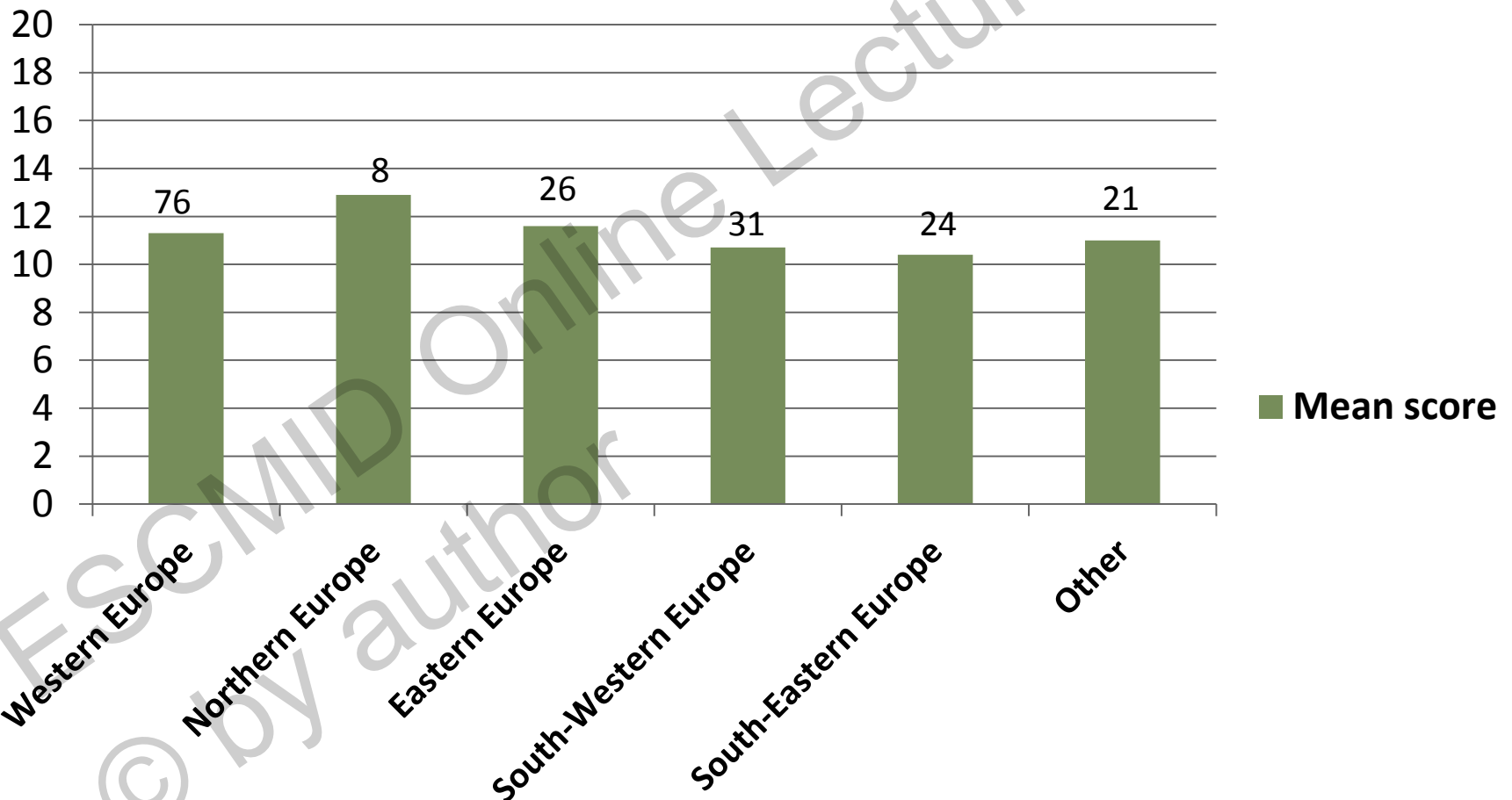
		Response Percent	Response Count
Brucella species		0.5%	1
Tick-borne encephalitis virus		62.4%	116
Coxiella burnetii		4.8%	9
Giardia lamblia		30.1%	56
Listeria monocytogenes		0.5%	1
I don't know		1.6%	3
answered question			186

25. (scoring: HIGH) A 43 year old man returns from Bangladesh after visiting relatives with an 11 day history of fever, malaise and abdominal pain. He has previously had an anaphylactic reaction to penicillin, but is otherwise healthy. On examination he is pyrexial at 38.9°C, pulse 80 bpm, with mild generalized abdominal pain. Blood tests show a platelet count of $102 \times 10^9/L$, White blood cell count $4.8 \times 10^9/L$ (Neutrophils $2.1 \times 10^9/L$, Lymphocytes $2.2 \times 10^9/L$) and an ALT of 78 U/L. Blood cultures are reported as growing a non lactose fermenting Gram negative bacillus. Which of the following is the most appropriate treatment?

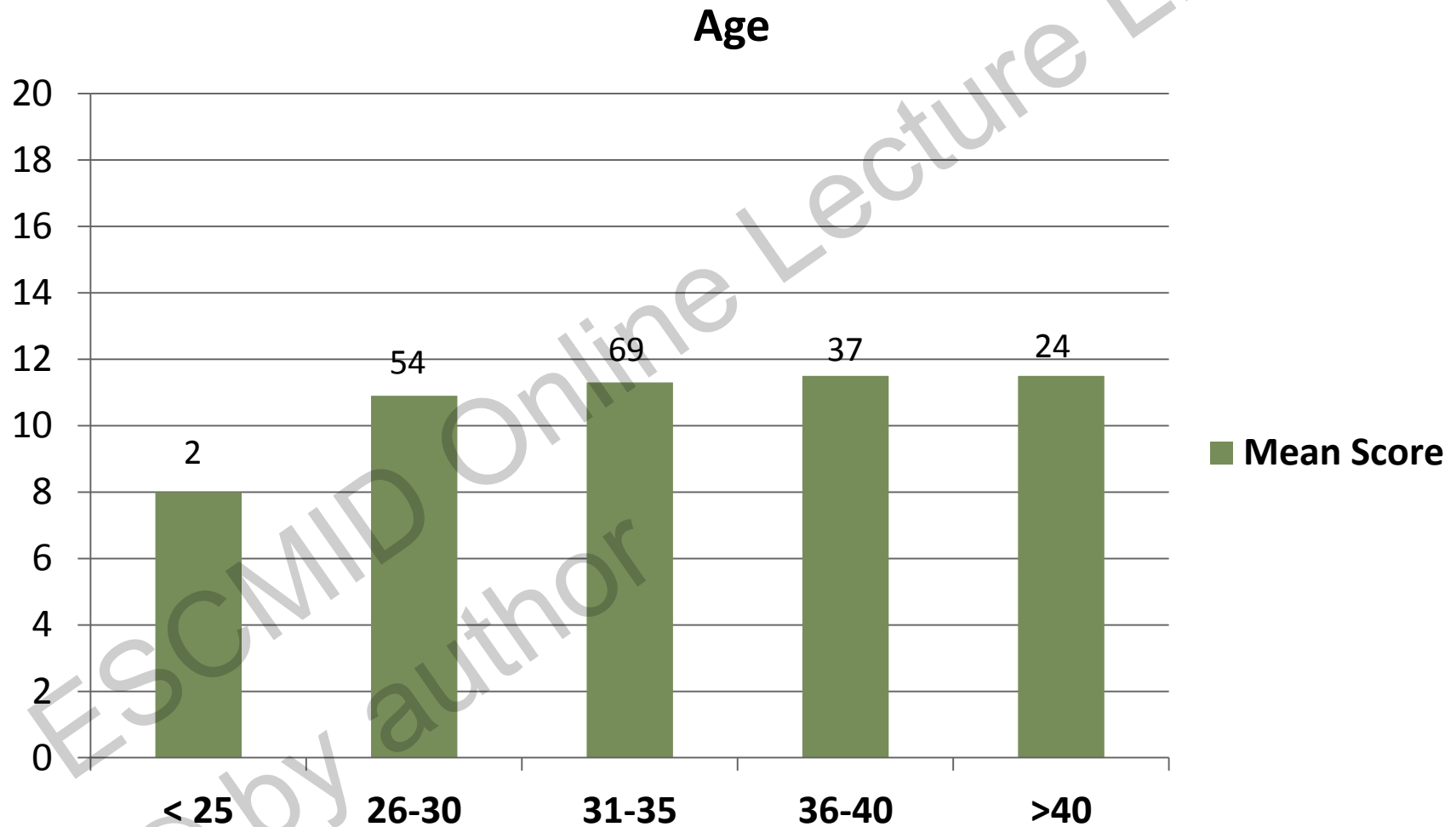
	Response Percent	Response Count
Amoxicillin	0.5%	1
Ciprofloxacin	58.6%	109
Chlormaphenicol	7.0%	13
Azithromycin	17.7%	33
Co-trimoxazole	10.2%	19
I don't know.	5.9%	11
answered question		186

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Geographic region

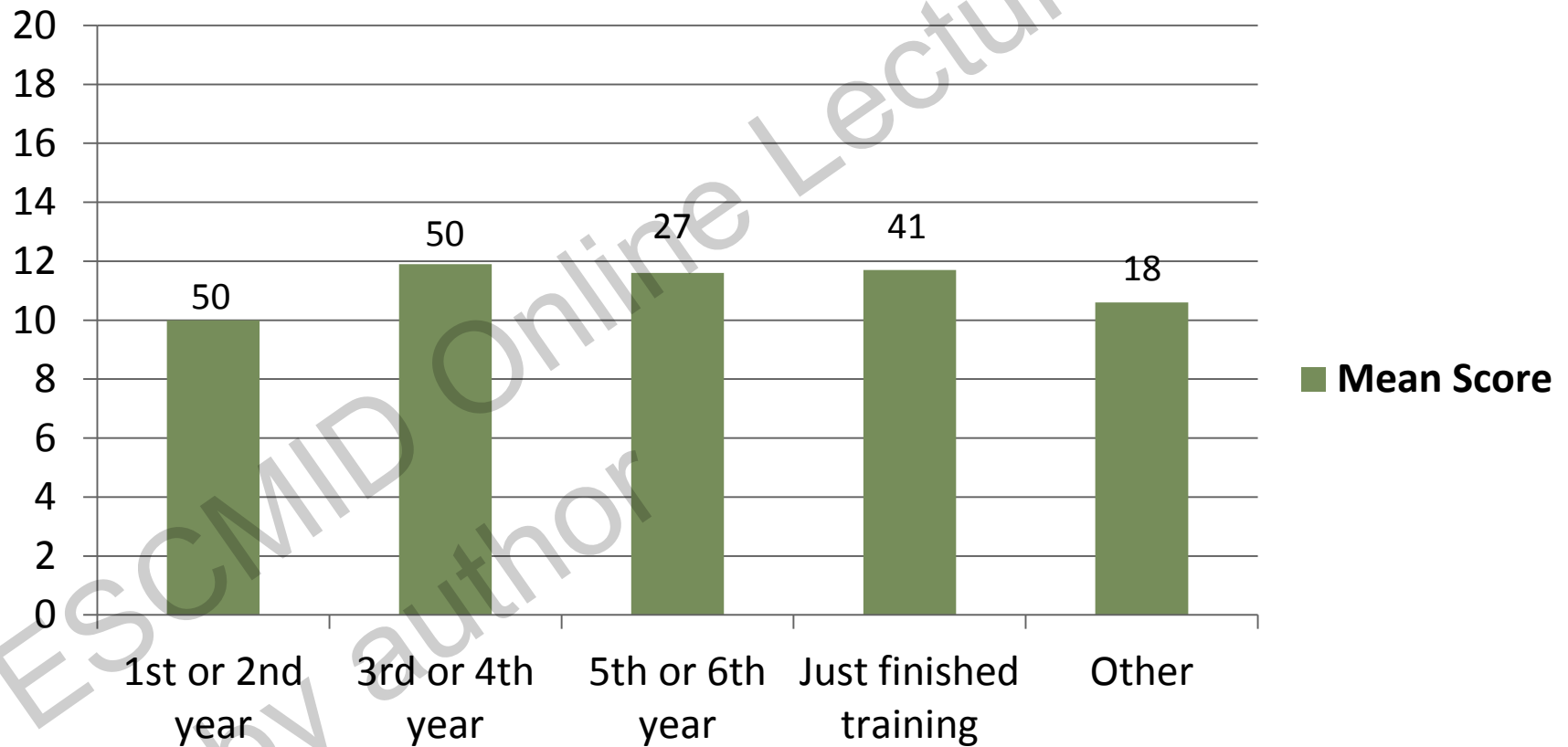


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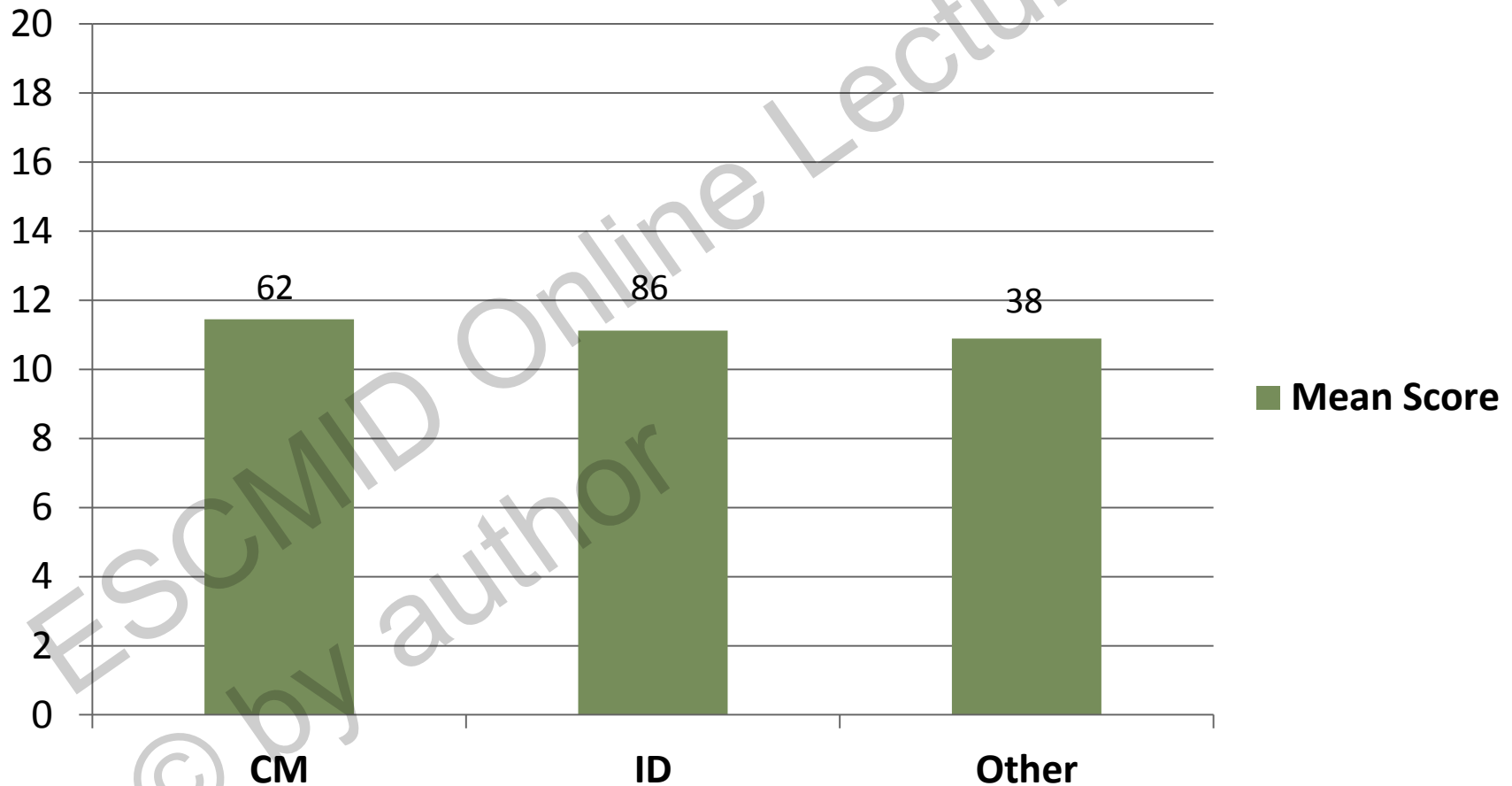
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Year of training



TAE Educational Quiz 2013

Professional position



TAE Educational Quiz 2013

- The highest score achieved: 18 out of 20
- 4 participants:
 - Germany (CM, age 36-40, just finished training) – 37 min
 - Slovenia (ID, age 26-30, 3th/4th year trainee) – 2h 54 min
 - Spain (CM, age 26-30, 3th/4th year trainee) – 33 min
 - Netherlands (CM, age 31-35, 3th/4th year trainee) – 10h 3 min

TAE Educational Quiz 2013

- Professional position
- European region
- Age
- Year of training



Achieved
score

TAE Educational Quiz 2013

- Professional position
- European region
- Age
- Year of training

No statistical significance



**Achieved
score**

Trainees viewpoints

- Obstacle: very different training programs and nature of work in CM in ID specialty:
- CM:
 - lab only, consultant in hospital, everything in between
 - in some countries a part of polyvalent medicine
 - different level of technological support in the labs
- ID:
 - some countries do not have a separate specialty, only as a part of internal medicine

Trainees viewpoints

- What we need:

COMPARABLE TRAINING PROGRAMS

- Better and more reliable comparisons of acquired knowledge
- Possibilities of spending a part of the training abroad
- Easier international collaboration, exchange programs
- Ultimately a European exam, with consideration of national practice, epidemiological differences, language issue...

Trainees viewpoints



Trainees viewpoints

- TAE current work:
 - Currently performing MOCK-ID Exam in collaboration with UEMS-ID Section
 - Planning a survey on training conditions in CM and ID in Europe
 - Professional Affairs Workshop in Ljubljana, June 2014

• Thank you:

- TAE national representatives and contact persons
- TAE Steering Committee
- ex TAE Steering Committee
- ESCMID Advisory Board, especially PAOs