

Supplementary File 1. Online survey.

A. CONSENT

1. I agree to participate to this survey about multidisciplinary collaboration among young specialist.

Yes

No

B. DEMOGRAPHICS

2. What is your country of origin?

Albania

Armenia

Austria

Belarus

Belgium

Bosnia and Herzegovina

Bulgaria

Croatia

Cyprus

Czech Republic

Denmark

Estonia

Finland

France

Georgia

Germany

Greece

Hungary

Iceland

Ireland

Israel

Italy

Latvia

Lebanon

Lithuania

Macedonia

Malta

Moldova

Montenegro

Netherlands

Norway

Poland

Portugal

Romania

Russia

San Marino

Serbia

Slovakia

Slovenia

Spain

Sweden

Switzerland

Turkey

Ukraine

United Kingdom

Other (please specify)

3. What is your country of work?

Albania
Armenia
Austria
Belarus
Belgium
Bosnia and Herzegovina
Bulgaria
Croatia
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Georgia
Germany
Greece
Hungary
Iceland
Ireland
Israel
Italy
Latvia
Lebanon
Lithuania
Macedonia
Malta
Moldova
Montenegro
Netherlands
Norway
Poland
Portugal
Romania
Russia
San Marino
Serbia
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
Ukraine
United Kingdom
Other (please specify)

4. What is your age?

< 25
26-30
31-35
36-40
> 40

5. What is your gender?

Female
Male

6. What is your specialty?

Allergology
Clinical Immunology
Dermatology
Gastro-enterology
Internal Medicine
Nephrology
Oncology
Ophthalmology
Orthopaedic
Otorhinolaryngology
Pediatrics
Pediatrics
Rheumatology

7. Are you member of a national young organization?

Yes
No

8. Are you member of a European young organization?

Yes
No

9. Do you have a professional use of social media?

Facebook Yes
No

LinkedIn Yes
No

Twitter Yes
No

10. How long is your specialty training? (years)

2
3
4
5
6

11. Do you have formal training in other specialties during your residency/training?

Yes
No

12. If yes, please specify:

Allergology
Cardiology
Clinical immunology
Dermatology
Endocrinology
Gastroenterology
Infectious diseases
Intensive care/emergency
Internal medicine
Nephrology
Neurology
Oncology/hematology
Ophthalmology
Orthopedic surgery

Otorhinolaryngology
Pediatrics
Pediatrics
Radiology
Respiratory
Rheumatology
Other (please specify)

C. CLINICAL COLLABORATION

13. What is your current clinical position?

Trainee
Certified specialist or consultant (post-training)
No clinical work

14. Please indicate the top 3 specialties for collaboration in your daily practice to manage common patients:

Allergology
Cardiology
Clinical immunology
Dermatology
Endocrinology
Gastroenterology
Gynecology
Infectious diseases
Intensive care/emergency
Internal medicine
Nephrology
Neurology
Oncology/hematology
Ophthalmology
Orthopedic surgery
Otorhinolaryngology
Pediatrics
Physical Medicine and Rehabilitation
Radiology
Respiratory
Rheumatology

15. How do you collaborate with other specialists?

NO EVERY DAY 2-3 TIMES/WEEK ONCE A WEEK EVERY 2 WEEKS ONCE A MONTH LESS THAN MONTHLY
By phone
By email/software
By informal personal meeting
By combined clinics
By common local multidisciplinary meeting

16. If you have combined clinics, please specify the other speciality involved and frequency:

ONCE A WEEK EVERY 2 WEEKS ONCE A MONTH LESS THAN MONTHLY
Allergology
Cardiology
Clinical immunology
Dermatology
Endocrinology
Gastroenterology

Gynecology
Infectious diseases
Intensive care/emergency
Internal medicine
Nephrology
Neurology
Oncology/hematology
Ophthalmology
Orthopedic surgery
Pediatrics
Physical Medicine and
Rehabilitation
Radiology
Respiratory
Rheumatology

17. If you have common local multidisciplinary meetings, please specify the specialties involved:

Allergology
Cardiology
Clinical immunology
Dermatology
Endocrinology
Gastroenterology
Gynecology
Infectious diseases
Intensive care/emergency
Internal medicine
Nephrology
Neurology
Oncology/hematology
Ophthalmology
Orthopedic surgery
Otorhinolaryngology

18. Is interaction with other young specialists easier than with senior specialists ?

Yes
No

19. Are all the specialists you interact with working in the same place?

Yes, same institution, same building
Yes, same institution, different building
No, different hospital, within same region
No, different hospital, outside the region

20. How do you usually start clinical collaboration?

By knowing other specialists
By working in the same inpatient department
By working in the same lab
By attending common meetings (local, national, international)
By attending same multidisciplinary meetings
Arranged by department heads
Already in place before joining the department

21. Does your discipline have shared recommendations with other specialties?

Yes, local shared recommendations
Yes, national shared recommendations
Yes, european/international shared recommendations
No

D. RESEARCH COLLABORATION

22. What is your current research position?

MD degree (research)
PhD candidate
PhD degree
No research work

23. Do you have research collaborations with other specialties?

Yes
No

24. If you have or are about to start a research collaboration with other specialties, how did you bring this about?

By knowing other specialists
By working in the same inpatient department
By working in the same lab
By attending common meetings (local, national, international)
By attending same multidisciplinary meetings
Arranged by department heads
Already in place before joining the lab/department

25. Have you ever applied for a combined grant across other specialties?

Yes
No

26. Do you have a shared publication with other specialists?

Yes, in a journal from my specialty
Yes, in a journal from other specialty
No

27. Would you like to develop clinical collaboration with other specialists?

Yes
Yes, but there are obstacles within my institution
No, projects are already running
Not interested

28. If yes, please specify at most 3 specialties for such collaboration:

Allergology
Cardiology
Clinical immunology
Dermatology
Endocrinology
Gastroenterology
Gynecology
Infectious diseases
Intensive care/emergency
Internal medicine
Nephrology
Neurology
Oncology/hematology
Ophthalmology
Orthopedic surgery
Otorhinolaryngology
Pediatrics
Physical Medicine and Rehabilitation
Radiology
Respiratory
Rheumatology

29. Do you think that the establishment of common outpatient clinics with colleagues from other specialties is important?

Yes, in order to manage a common patient in daily practice

Yes, in order to discuss complex patients

No, no need of common outpatient clinics

30. Do you think that the development of shared recommendations with colleagues from other specialties is important?

Yes, local shared recommendations

Yes, national shared recommendations

Yes, european / international shared recommendations

No

31. Would you like to develop research collaboration with other specialists?

Basic research

Translational research

Clinical research

32. Would you apply for a combined grant across other specialties?

Yes

No

33. What do you think is important to develop as a multidisciplinary collaboration?

Daily practice to manage patient, to ask or answer specific questions regarding a common patient

Regular multidisciplinary meetings to discuss about specific diseases / complex patients

Ad-hoc local meetings with several specialties

National meetings with several specialties

International meetings, with maybe a new abstract topic category

Research

Establishment of national and international shared networks (including shared newsletters) of physicians from different specialties

Possibility of having joint publications

34. Do you think common courses would be worthwhile?

On-line course

1-2 days course

35. If yes, please specify with which specialties?

Allergology

Cardiology

Clinical immunology

Dermatology

Endocrinology

Gastroenterology

Gynecology

Infectious diseases

Intensive care/emergency

Internal medicine

Nephrology

Neurology

Oncology/hematology

Ophthalmology

Orthopedic surgery

Otorhinolaryngology

Pediatrics

Physical Medicine and Rehabilitation

Radiology

Respiratory

Rheumatology

36. Please specify the type of content you would like:

Lectures

Case discussion

Training workshops (learning from peers of other specialties, eg. orthopedic musculoskeletal status, neurological status refreshed, etc.)

37. Do you think interaction / collaboration between young specialists should be developed through social media?

Common group on Facebook / LinkedIn

Common journal club on Twitter

Common apps on smartphones

Podcasts

38. Would you be interested in annual or bi-annual multidisciplinary Webinars on a specific disease (recorded with different specialists and made available online)?

Yes

No

