Supplementary Material: Translated Version of the Online Questionnaire

**Demographic Data**

1. Age
2. Gender
   - Female
   - Male
3. Relationship status
4. Children
5. Nationality
6. Medical school location
   - Germany
   - European Countries
   - Non-European countries
7. Member of the German Society of Pediatric Cardiology (DGPK)
   - Yes
   - No
8. Member of the Young Forum of the DGPK
   - Yes
   - No

**Questions Related to Training**

9. Training center
   - University clinic
   - Municipal hospital
   - Confessional hospital
   - Private hospital
   - Private practice
   - Other (please specify)
10. Name and place of training institution
11. Certified/authorized training institution
    - Full pediatric cardiology training (3 years)
    - Less than 3 years (please specify)
12. Contractually agreed weekly working hours
    - 42 hours
    - 40 hours
    - If less or more please specify
13. Contract duration
    - Permanent
    - Temporary (please specify)
14. Current position
    - Fellow pediatric cardiology
    - Pediatric cardiologist
    - Consultant
    - Other (please specify)
15. Actual weekly working time/hour
    - <30
    - 30–39
    - 40–49
    - 50–59
    - 60–79
    - >79
16. Preferred weekly working time/hour
   - <30
   - 30–39
   - 40–49
   - >59

17. Work environment: participants’ relationships with colleagues and coworkers

<table>
<thead>
<tr>
<th></th>
<th>Very satisfied</th>
<th>Satisfied</th>
<th>Unsatisfied</th>
<th>Very unsatisfied</th>
<th>No indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relationship to head of department</td>
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<tr>
<td>Relationship to senior physicians</td>
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<td>Relationship to peer fellows</td>
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<td>Relationship to nurses</td>
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18. Training

<table>
<thead>
<tr>
<th></th>
<th>Fully agree</th>
<th>Rather agree</th>
<th>Rather not agree</th>
<th>Fully disagree</th>
<th>No indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training is transparent</td>
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<tr>
<td>Training is structured</td>
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<td>Training has a high priority</td>
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<td>There is always enough time for teaching</td>
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<td>Teaching colleagues are motivated</td>
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<tr>
<td>I am very satisfied with my training</td>
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</table>

19. Educational concept

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>No indication</th>
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</thead>
<tbody>
<tr>
<td>Written educational concept was available</td>
<td></td>
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<tr>
<td>Adherence to educational concept is guaranteed</td>
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<tr>
<td>Regular educational meetings (at least once a year) with the program director</td>
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<tr>
<td>Further training is expected by the employer in addition to regular working hours</td>
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</table>

20. Regular in-house training courses are provided
   No
   Yes (please specify how often)

21. Active participation at conferences is expected
   No
   Yes

22. Participation for external meetings and conferences is supported by:
   - Time off from work
   - Funding of the conference
   - Funding of travel expenses
   - Funding of accommodation costs

23. I have already participated in the following meetings:
   - Autumn school of the young forum
   - Course offered by the academy of the DGPK
   - Annual meeting of the DGPK
   - International pediatric cardiology conference

Thoracic and Cardiovascular Surgeon
24. In your experience, are the required numbers by the German State Board of Physicians achieved during the training period of 3 years?

<table>
<thead>
<tr>
<th>Required numbers</th>
<th>Yes</th>
<th>No</th>
<th>No indication</th>
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</thead>
<tbody>
<tr>
<td>Transthoracal echocardiography</td>
<td>500</td>
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<tr>
<td>Transesophageal echocardiography</td>
<td>25</td>
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<tr>
<td>Right heart catheterization</td>
<td>50</td>
<td></td>
<td></td>
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<tr>
<td>Left heart catheterization</td>
<td>50</td>
<td></td>
<td></td>
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<tr>
<td>Holter ECG monitoring</td>
<td>100</td>
<td></td>
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<tr>
<td>Ambulatory blood pressure monitoring</td>
<td>50</td>
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<tr>
<td>Cardiopulmonary exercise testing</td>
<td>50</td>
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</table>

25. Of the required numbers, I have already independently performed (estimation):
- Transthoracal echocardiography
- Transesophageal echocardiography
- Right heart catheterization
- Left heart catheterization
- Holter ECG monitoring
- Ambulatory blood pressure monitoring
- Cardiopulmonary exercise testing

26. Reasons why required numbers cannot be achieved/comments to questions 24 and 25: (free-text comment field)

27. For a faster and more comprehensive training program, I would change my location (repeatedly).
- Yes
- No

28. I have already changed my location for my training. How often?

Research Activities

29. I do research
- During working hours
- During free time
- Partly in free time, partly during working hours
- No

30. How many hours per week (please specify)?

31. For research activities, I am released of clinical work
- Yes
- No
- Other (please specify)

32. I have already
- Worked independently on a research project
- Applied for a scientific grant
- Have done research abroad

33. Number of my first/senior authorships (peer-reviewed journal):

34. Number of my coauthorships (peer-reviewed journal):

Future Perspectives

35. I am interested in the following areas of pediatric cardiology:
- General pediatric cardiology
- Imaging
- Interventional pediatric cardiology
- Electrophysiology/rhythmology
- Cardiac intensive care
- Transplant medicine
- Grown-ups with congenital heart disease
Rehabilitation
Research
Other (please specify)

36. Future planning:
- Clinical work in a specialized center for pediatric cardiology
- Clinical work in a general pediatric hospital
- Clinical work in a rehabilitation clinic
- Being self-employed in a private practice (pediatric cardiologist/pediatrician)
- Research
- Economics and industry
- Other (please specify)

37. I am striving for/I already have an academic title:
- Doctoral thesis (Dr. med.)
- Postdoctoral lecturer qualification (habilitation/PD)
- None

38. Reasons for less attractiveness of fellowships in pediatric cardiology

<table>
<thead>
<tr>
<th>Reason</th>
<th>Fully agree</th>
<th>Rather agree</th>
<th>Rather not agree</th>
<th>Fully disagree</th>
<th>No indication</th>
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<tbody>
<tr>
<td>Lacking future prospects</td>
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<td>Poor development opportunities</td>
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<tr>
<td>No performance-related compensation</td>
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<tr>
<td>General training situation</td>
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<tr>
<td>Heavy workload/work intensification</td>
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<td>Unfavorable work–life balance</td>
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</table>

39. Attractiveness of pediatric cardiology training could be improved by:
- Reliable rotational system
- To pass on paramedical work to assistance staff
- A tutoring/mentoring system
- Further external education options (e.g., by the Young Forum of the DGPK)
- A "seal of quality" for the fellowship programs at each pediatric cardiology center
- Advertisement about pediatric cardiology for students on conferences

40. I would start a fellowship in pediatric cardiology again
- Yes
- No
- I do not know

41. Comments and ideas regarding the survey and the work of the Young Forum.