

# **Supplemental Material**

## Data S1. Supplemental Methods

### Imaging Group European Lymphatic Imaging and Management Survey

#### Question Title

1. I consent to participate in this survey

- ☐ Yes  
☐ No

#### Question Title

2. I consent to have the findings of this survey published in a peer reviewed journal

- ☐ Yes  
☐ No

#### Question Title

3. Country in which I work

#### Question Title

4. Centre in which I work

#### Question Title

5. How many cardiopulmonary bypass procedures per year?

#### Question Title

6. How many interventional procedures per year <18 years of age?

#### Question Title

7. How many interventional procedures per year >18years?

#### Question Title

8. How many cases of chylothorax in patients with congenital heart disease per year at your centre?

- ☐ 1-5  
☐ 6-10  
☐ 11-15  
☐ >15

Other (please specify)

#### Question Title

9. How do you treat these cases

- ☐ Monagen (fat free diet)
- ☐ TPN
- ☐ Octreotide
- ☐ Other surgical treatments?

Other (please specify)

### Question Title

10. If using monagen how long do you treat the child?

- ☐ Days
- ☐ Weeks
- ☐ Months
- ☐ Other (please specify)

### Question Title

11. Protein losing enteropathy - How many total cases of PLE are treated at your centre?

### Question Title

12. How do you investigate PLE?

- ☐ Stool samples
- ☐ Plasma albumin level
- ☐ Non contrast lymphatic MRI
- ☐ Dynamic contrast lymphatic MRI
- ☐ Contrast lymphangiography (X ray)

Other (please specify)

### Question Title

13. How do you treat PLE?

- ☐ S/C Heparin
- ☐ Spironolactone
- ☐ Albumin replacement
- ☐ Immunoglobulin
- ☐ Steroids
- ☐ Monogen
- ☐ Lymphatic intervention/occlusion
- ☐ Hraska (Decompression)
- ☐ Surgical Hraska
- ☐ Catheter Hraska
- ☐ Lymphovenous anastomosis

☐ Other

Other (please specify)

**Question Title**

14. How many cases of plastic bronchitis at your centre (total)?

**Question Title**

15. How do you treat plastic bronchitis?

☐ Mucolycin

☐ Physioterapy

☐ Bronchial lavage

☐ Lymphatic embolization

☐ Other

Other (please specify)

**Question Title**

16. Lymphatic diagnosis using MR lymphangiogram: Does your centre investigate patients?

☐ Yes

☐ No

Other (please specify)

**Question Title**

17. Do you do non contrast MR lymphangiography?

☐ Yes

☐ No

Other (please specify)

**Question Title**

18. Do you do dynamic contrast MR lymphangiography?

☐ Yes

☐ No

Other (please specify)

**Question Title**

19. Lymphatic interventions. Are these offered at your centre?

☐ Yes

☐ No

Other (please specify)

**Question Title**

20. How many cases a year of lymphatic intervention do you perform at your centre?

**Question Title**

21. How many cases of lymphatic intervention in total have you performed at your centre?

**Question Title**

22. Are lymphatic interventions performed by

- ☐ Cardiologist
- ☐ Interventional radiologist
- ☐ Radiologist and cardiologist team
- ☐ Visiting team from another centre

Other (please specify)

**Question Title**

23. If visiting team can you provide name and centre of experts please?

**Question Title**

24. Where did visiting (or your) team train to perform these procedures?

**Question Title**

25. Do you routinely perform non contrast lymphangiography prior to Fontan procedure?

- ☐ Yes
- ☐ No

Other (please specify)

**Question Title**

26. If so do you do screening lymphangiogram in all patients prior to Fontan?

- ☐ Yes
- ☐ No

Other (please specify)

**Question Title**

27. Do you routinely perform dynamic contrast MR lymphangiography prior to Fontan procedure?

- ☐ Yes

☐ No

**Question Title**

28. Do you routinely perform X ray lymphangiography prior to Fontan procedure?

☐ Yes

☐ No

**Question Title**

29. Do you do screening lymphangiogram in some select patients prior to undertaking Fontan?

☐ Yes

☐ No

Other (please specify)

**Question Title**

30. Do you perform lymphangiography prior to transition to adult services?

☐ Yes

☐ No

Other (please specify)

**Question Title**

31. How does results of lymphangiogram alter decision-making for undertaking Fontan?

**Question Title**

32. Do you do Hraska with Fontan if lymphangiogram abnormal?

☐ Yes

☐ No

Other (please specify)

**Question Title**

33. Potential centres of specialisation: If you do not do this procedure where would you normally refer patients to for the procedure?

**Question Title**

34. Would you like to see centres develop specialist expertise in these procedures in Europe?

☐ Yes

☐ No

Other (please specify)

**Question Title**

☐ Yes

☐ No

--

36. How many centres do you think should provide specialist lymphatic interventions?

1-3

4-6

 >6

 Other (please specify) \_\_\_\_\_

--

37. Any other points of view important to this topic or area?

[illegible]

38. Please include your name if you would like recognition/acknowledgement in this report (optional)