**Supplementary file 1: Prenatal survey**

Thank you for participating in this questionnaire which will inform the direction of the

Prenatal Right Aortic Arch and Double Aortic arch study (PRAADA) which is being set-up

with the support of the NFCWG and the BCCA. This survey focuses on your PRENATAL strategies for patients with isolated right and double aortic arch.

The questionnaire should take 15minutes. There is one section which relates to fetuses with a right aortic arch and another which relates to double aortic arch. The results will be anonymous, but there is an option to provide your details at the end, these would not be linked to your answers. The anonymised results will be made available to the NFCWG and may be reported as part of publications from this study.

1. What is the nature of your fetal cardiology practice? (tick all that apply)

* Separate from FMU
* Work directly alongside FMU consultants with joint scanning/consultation
* Working within FMU but with independent scanning/consultation
* Mixture of b and c

1. How many years have you been a consultant?

* <5 years
* 5-10 years
* >10 years

1. How many cases of CHD do you see a year?

* <10
* 10-50
* 51- 100
* >100

1. Approximately, how many cases of isolated RAA or DAA have you personally seen in your fetal practice in the last year?

* <10
* 10-50
* 51- 100
* >100
* Don’t know

1. Do you have a fetal cardiac database?

* Yes
* No

1. In your personal practice do you assess patients with a RAA or DAA after birth?

* Yes
* No

1. Do you have a departmental pathway for patients with RAA or DAA?

* Yes
* No
* Don‘t know

**REGARDING PRENATAL DIAGNOSIS OF AN ISOLATED RIGHT AORTIC ARCH (RAA)**

1. Do you discuss a risks of chromosomal/genetic associations with a RAA?

* Yes, always
* Sometimes, depends on nuchal translucency (NT), presence of extra-cardiac abnormality (ECA)
* Leave to fetal medicine to discuss
* No

1. What risks of chromosomal/genetic associations do you quote with an isolated DAA?

* <5%
* 5-20%
* >20%
* Other describe:
* Don’t know

1. Do you request a FM review?

* Yes, always
* Sometimes, depends on other factors eg nuchal translucency (NT) and presence of extra-cardiac abnormality (ECA)
* No

1. Do you perform fetal cardiac MRI in RAA patients?

* Yes
* No

1. Do you feel confident to identify the branching pattern of the aortic arch prenatally?

* Almost always
* Approx. 50% of cases
* Rarely
* Don’t know

1. Are you correct in your assessment of the branching pattern of the aortic arch?

* Almost always
* Approx. 50% of cases
* Rarely
* Don’t know

1. Approximately, how many cases of right arch, right duct have you seen in the last 3 years?

* None/don’t know
* 1-4
* >5

1. Do your postnatal recommendations vary according to the branching pattern of the RAA?

* No
* Yes
* Other, describe:

1. Do you make any specific recommendations regarding site of delivery/neonatal care?

* None
* Neonatal doctor/ ANP to be present at delivery
* Other, describe

1. Do you recommend postnatal follow-up for all cases?

* Always
* Sometimes
* No

**REGARDING A DOUBLE AORTIC ARCH (DAA)**

1. Do you discuss risks of chromosomal/genetic associations with a DAA?

* Yes, always
* Sometimes, depends on NT and ECA
* No

1. What risks of chromosomal/genetic associations do you quote with an isolated DAA?

* <5%
* 5-20%
* >20%
* Don’t know
* Other describe:

1. Do you request a FM review?

* Yes, always
* Sometimes, depends on NT and extracardiac anomalies
* No

1. Do you perform fetal cardiac MRI in DAA patients?

* Yes
* No

1. What do you recommend regarding site of delivery/neonatal care?

* None
* Neonatal doctor/ ANP to be present at delivery
* Other, describe

**OPTIONAL QUESTIONS**

1. Where is your fetal cardiology practice? (tick all those that apply)

* Glasgow
* Edinburgh
* Newcastle
* Leeds
* Birmingham
* Liverpool
* Manchester
* Leicester
* Southampton
* Oxford
* GOSH
* RBH including Queen Charlotte’s Hospital, St George’s Hospital
* Evelina including Kings College Hospital
* Bristol
* Cardiff
* Other centres, details

If you wish to leave your name/ email address for further contact/updates