## **Appendix 1. Myelomeningocele Consortium Survey**

•	Do you routinely include MRI as part of your pre-operative evaluation when considering patients as a candidate for open fetal surgery for MMC repair:
	○ Yes ○ No
•	Do you use to determine the upper level of NTD lesion?  Clevel of bony dyraphism Clevel of skin disruption
•	Do you offer NTD surgery of the bony lesion is outside of the T1 – S1 window?  Yes  No
•	Do you routinely ask for a microarray to be undertaken at the time of pre-operative amniocentesis?  Yes  No
•	Do you require an amniotic fluid alpha-fetoprotein to be performed?  Yes No
•	Do you require an acetylcholinesterase?  Yes No
•	Is there a degree of cerebral ventricular dilation that would prevent you from offering fetal MMC repair?  Yes No What would be your threshold value?mm
•	Which of the following time points do you use at your center for assessing the patient's BMI to see if she qualifies for fetal surgery?  BMI at first prenatal visit BMI at time of referral BMI at the time of initial assessment
•	Do you still use a BMI of < 35 as a maternal criteria for candidacy for fetal surgery for NTD? $\bigcirc$ Yes $\bigcirc$ No $\bigcirc$
•	If you use a BMI > 35, do you offer this under an IRB approval?  Yes  No

Moise KJ, Moldenhauer JS, Bennett KA, Goodnight W, Luks FI, Emery SP, et al. Current selection criteria and perioperative therapy used for fetal myelomeningocele surgery. Obstet Gynecol 2016;127.

	Which of the following type of <u>laparotomy</u> incisions do you routinely employ for your MMC epairs:
	High transverse vertical we use both depending on the patient's habitus
re	o you routinely use intraoperative fetal echocardiography by cardiology during the MMC epair?  Yes   No
vi	o you administer betamethasone pre-operatively to accelerate fetal lung maturity when a liable gestational age has been reached prior to fetal NTD repair?  Yes  No
Assume a	all MOMS criteria for the pregnant patient are present in the following case scenarios:
A p	etus is found to have a unilateral cleft lip with an L3 level (bone) myelomeningocele.  Amniocentesis reveals a normal male karyotype, normal CMA, elevated AFP of 3.0 MOM and a ositive acetylcholinesterase.  Would offer surgery Would not offer surgery
N	etus is noted to have normal karyotype; L1 level (bone) myelomeningocele; grade 3 Chiari on IRI and cerebral ventricles that measure 18 mm bilaterally.  Would offer surgery Would not offer surgery
	our neuroradiologist reports there are multiple areas of "heterotopia" seen on MRI. The fetus noted to have evidence of a bony dysraphism at the level of S1.  Would offer surgery   Would not offer surgery
b fe	the fetus is noted to have an L4 level (bone) myelomeningocele. There is some question on ooth MRI and ultrasound that the lesion may be skin covered. Amniocentesis reveals a normal emale karyotype, AFP of 3.2 MOM and negative acetylcholinesterase.  Would offer surgery Would not offer surgery
tł ca	the fetus is noted to have an L1 level (bone) myelomeningocele. The left leg remains extended hroughout the ultrasound examination (no movement at the knee). There is evidence of alcaneovalgus talipes in the left ankle. There is a similar degree of fixed deformity in the right nkle however there is normal movement in the other joints of the right leg.

Moise KJ, Moldenhauer JS, Bennett KA, Goodnight W, Luks FI, Emery SP, et al. Current selection criteria and perioperative therapy used for fetal myelomeningocele surgery. Obstet Gynecol 2016;127.

(	Would offer surgery	Would not offer surgery		
	The fetus is noted to have an right choroid plexus.	n L5 lesion (bone) MMC. MR	I shows a grade 1 hemorrhage in the	
(	○ Would offer surgery ○	) Would not offer surgery		
Assume all MOMS criteria for the fetus are present in the following case scenarios:				
ŀ		She uses an insulin pump wi	for 10 years. Her pre-pregnancy th carbohydrate counting at each mea	I
t ( • 7	therapy and her most recen  Would offer surgery	t viral load is negative.  ) Would not offer surgery hepatitis C. She has been tre gative.	as been compliant with anti-viral eated with anti-viral therapy and her	
f \	for MMC repair. The cervica with fundal pressure. In her	al length is 22 mm without fur r last pregnancy she reports t e carried that gestation to 38	s part of her pre-operative assessment unneling. There are no dynamic change that her cervical length was 18 mm at 2 3 weeks.	es
1	pregnancy was based on an	ultrasound performed at 22 e patient on weekly 17-hydro	veeks gestation. Dating in the previous weeks gestation. Her referring oxyprogesterone injections.	5
	Does a history of a prior Ces ○ Yes  ○ No	sarean section weigh into you	ur decision to offer MMC repair?	
(				

Moise KJ, Moldenhauer JS, Bennett KA, Goodnight W, Luks FI, Emery SP, et al. Current selection criteria and perioperative therapy used for fetal myelomeningocele surgery. Obstet Gynecol 2016;127.

•	Are there other MOMS criteria that you have decided to waive for a patient based on an interpretation that it did not present a significant risk to the pregnancy (Example: anti-M alloimmunization for the red cell alloimmunization criteria)  Yes No Describe:
•	<b>OPTIONAL:</b> How many NTD repairs has your center performed since the MOMS trial was published:
Thank	you for your time and input.

Moise KJ, Moldenhauer JS, Bennett KA, Goodnight W, Luks FI, Emery SP, et al. Current selection criteria and perioperative therapy used for fetal myelomeningocele surgery. Obstet Gynecol 2016;127.