

AUG STUDY

Subject ID AUG077-091114

PROBE USED Custom 1

DOB 9/8/14

PAGE NUMBER (3)

Staff at STUDY TSK JJN

DATE 09/11/14

Instrument 37

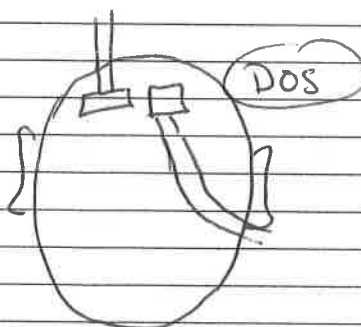
File name AUG077-091114

MARK	EVENT NAME	TIME
125759	cal 1	
125825	✓ 1	
125911	cal 2	
125934	✓ 2	
125955	cal 3	
130018	✓ 3	
130957	cal 1	
131025	✓ 1	
131100	cal 2	
1311	✓ 2	
	✓ 2	
131408	Cal 1	
131429	✓ 1	
131449	cal 2	
131570	✓ 2	
131531	cal 3	
131600	✓ 3	
132215	R 1 <sup>Lateral</sup> <del>Medial</del> Detector	BF1-1 (R) ← 1
132233	R 2	Lateral Detector ← 2
132251	R 3	
132310	R 4	BF1-1 (L) ← 3
132327	R 5	Medial Detector ← 4
132618	L1 Lateral Detector	
132635	L2	
3143	3	
3202		
<div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>NOTE: Giving patient an infusion of RBC during procedure &amp; there was a sharp drop in BP</p> </div>		

4

DRB  
JJN

MARK	EVENT	TIME
143030	Cal 1	
3107	✓ 1	
3141	Cal 2	
3216	✓ 2	
3244	Cal 3	
3328	✓ 3	
143609	L1 Medial Detector	
3631	2	
3655	3	
3722	4	
3917	R1 Medial	
4022	2	
4045	3	
4150	4	
4231	5	
1	→ BFL 2 (R) Medial	
2		
3	→ BFL 2 (L) Medial	
4		
NEW & DRB measurements.		
160342	Cal 1	
160431	✓ 1	
160501	Cal 2	
160527	✓ 2	
160552	Cal 3	
160617	✓ 3	
162101	R1	
162120	R2	
162141	R3	
162159	R4	
162314	L1	
162333	L2	
162406	L3	
162505	L4	
1	→ RIGHT Medial DES detector	
2		
3		
4	→ LEFT	



①

MRI BG:  $HbO_2\%: 96.3\%$

THL: 14.9 g/dl

$[O_2] = 20.0 \text{ mL/dL}$

Preop Study – IRB# 10-007552

Patient ID# AUG 077

DATE: 09 / 11 / 14

File name \_\_\_\_\_

Staff at Study TK DJL

Iteration of days at study\_\_\_\_\_

HR \_\_\_\_\_

SpO2\_\_\_\_\_

Blood Pressure\_\_\_\_\_

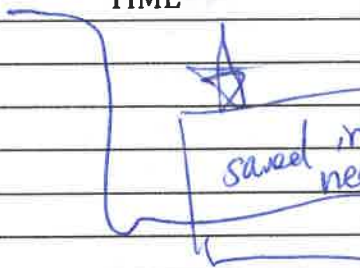

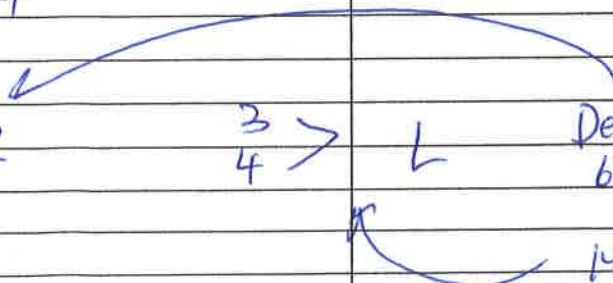
INSTRUMENT USED 3λ

Heart defect: Arch hypoplasia (DHCA)

Probe used custom 1

Checklist:



- Absolutes on check and calibration block
- BFI for 5-7 frames between marks on left and right side
- 3x each of absolutes on left and right side of head
- SVO2 if intubated
- Set up MOBERG for longitudinal measurements

MARK#	DESCRIPTION OF EVENT	TIME
075244	CAL 1	
075318	✓ 1	
075342	CAL 2	
075403	✓ 2	
075427	CAL 3	
075449	✓ 3	
0908	<del>R</del> L 1	
0924	2	
0939	3	
1027	4	
1213	R 1	
1230	2	
1244	3	
1258	4	
BFI-0 (pre-anesthesia)	$\begin{matrix} 1 \\ 2 \end{matrix} >$ R	$\begin{matrix} 3 \\ 4 \end{matrix} >$ L  Det 4-8 6kHz-23k 14-66k

8:18 gas anesthetic  
8:21 intubation

$\text{pH} / \text{pCO}_2 / \text{pO}_2 / \text{HCO}_3^- / \text{BE} / \text{O}_2\text{Sat} / \text{Na}^+ / \text{K}^+ / \text{Ca}^{++} / \text{Glu}$   
 7.384/44.4/73.6/25.9/0.5/94.6%/141.3/2.93/621/127

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MARK#	DESCRIPTION OF EVENT	TIME
081837	cal 1	BOX4 closed. Re-calibrated
081858	✓ 1	
081920	C 2	
081939	✓ 2	
082001	C 3	
082021	✓ 3	HR: 174 72/52
082732	R 1	
2750	2	
2805	3	
2832	4	
2851	5	
2927	L 1	
2942	2	
2957	3	
3012	BAD	
3028	4	
3043	5	
BFI-0-post 1/2 > L 3/4 > R (post anesthesia) Det 4-8 7-15 kHz 8-21 kHz		
postMRI	091753 cal 1	
	091818 ✓ 1	
	091836 cal 2	
	091857 ✓ 2	
	091915 cal 3	
	091934 ✓ 3	
092518	L1	2708 R1
2612	L2	2804 2
2628	L3	2820 3
2642	L4	2837 4

NOT postMRI

1/2 > R

Det 4-8

NOT 6

BFI-0-postMRI

(post MRI)

30-45 kHz

3/4 > L

Det 4,5,7,8



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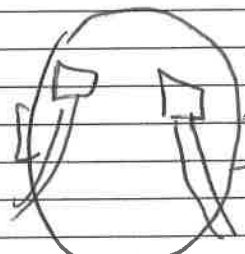
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Staff at STUDY MW & JIN

DATE 9/11/14

Instrument 3K

File name AUG077\_091114

MARK	EVENT NAME		TIME
182138	Cal 1		For both DAS & DCS measurements
182158	✓ 1		
182216	Cal 2		
182240	✓ 2		
182259	Cal 3		
182319	✓ 3		
182742	<del>R1</del> L1	1 > RIGHT 2 > <del>3 &gt; LEFT</del> 3 - ignore 4 > LEFT counts @ 8, 10, 12 = 8	
182833	<del>R2</del> L2		
182856	<del>R3</del> L3		
182934	<del>R4</del> L4		
183050	<del>R1</del> R1	3 - ignore 4 > LEFT counts @ 8, 10, 12 = 8	
183435	<del>R2</del> R2		
183557	R3		
183638	R4		
183658	R5		
<hr/>			
200832	Cal 1		
200914	✓ 1		
200937	Cal 2		
200958	✓ 2		
201024	Cal 3		
201109	✓ 3		
201501	L1 Left Lateral Detector	BFI-5 (R) Lateral Detector	1 2 } Ignore! light leakage
201520	2		
201538	3		
201555	4	BFI-5 (L) Lateral Detector	3 4
1715	R1 Right Lateral Detector		
1800	2		
1830	3	BFI-5 (R) Lateral Detector	5 6
2843	4		
2901	5		

TSK  
&  
JIN

(6)

~~TSK~~ Mark

EVENT

TIME

TSK  
&  
JIN

220316  
220337  
220407  
220430  
220451  
220510

Cal 1  
✓ 1  
Cal 2  
✓ 2  
Cal 3  
✓ 3

0943  
1005  
1024  
1042  
1058

L 1  
2  
3  
4  
5



BFI-6

1216  
1307  
1327  
1348  
1405

R 1  
2  
3  
4  
5



~~8~~ ← Redone

1/2 > R (Det 2, 4, 8)

13-20 kHz



~~4~~ > L  
8-51 kHz

