

# APPENDIX

## Appendix 1: Version 1 of the intra-operative handoff tool implemented in EPIC

<b>Intubation Details:</b> Direct Airways: Placed prior to 08/25/16 1459		<b>Difficult airway for intubation</b> Renal Problems as of 8/22/2016		phenylephrine (PF) 100 mcg/mL 100 mcg syringe Reconcile Controlled Substances (Filter: CS Medications Shown) Medication Calculated Total	
---	--	--	--	---	--

**Spongebob Sponge ZzzSquarepants**

<b>Critical Action:</b> <b>Immediate needs:</b> 5 Must to Discuss • Does anything need to happen right now? • Has anything unanticipated happened during the case?		• Are you anticipating any immediate changes? • Medications due (next due antibiotic, heparin, etc) • Are any labs or radiology study pending?		<b>Situation:</b> ID: Spongebob Sponge ZzzSquarepants is a 15yo male patient having test for No Diagnosis Codes entered * Time Estimates: -83.812	
--	--	--	--	--	--

<b>Background:</b> ASA: 3 Emergent: Yes		Cardiovascular Problems Dx Cardiology-Related Specialty <b>Hypertension</b> Pulmonary/Respiratory Problems as of 8/22/2016 Dx Related Pulmonary Specialty <b>Asthma</b> Endocrine Problems as of 8/22/2016 None Neurology Problems as of 8/22/2016 Utw/Anes Edg Snd Neurologic Dx Grouper <b>Hypertension</b> <b>Asthma</b> <b>Difficult airway for intubation</b>		<b>INs and OUTs:</b> IV FLUIDS (Filter: IV Fluids Medications Shown) Medication Calculated Total sodium chloride 0.9% infusion 1,000 mL / 1 bag Blood Products (Filter: Bid Medications Shown) Medication Calculated Total No medications were administered. Estimated blood loss: * No values recorded between 8/22/2016 12:00 AM and 8/25/2016 2:56 PM * Urine output: * No values recorded between 8/22/2016 12:00 AM and 8/25/2016 2:56 PM * Other output: * No values recorded between 8/22/2016 12:00 AM and 8/25/2016 2:56 PM * Pressors: (Filter: Pressors Medications Shown) Medication Calculated Total	
---	--	--	--	--	--

<b>End of Procedure Plan</b> Is the plan to extubate or stay intubated? Patient Location Patient Class Location Department Phone Inpatient UH 08N, UH0829, UH0829 214-633-0899		Post-Op Pain: Epidural Placed prior to 08/25/16 1456 No lines, drains, or airways are recorded for this episode. Post Anesthesia Problems: midazolam (VERSED) injection 1 2 mg mg/1 mL fentaNYL PF (SUBLIMAZE) injection 100 mcg 50 mcg/mL	
--	--	--	--

Case Summary Viewed Event Case Summary Viewed Event Name Date Comments Case Summary Viewed 8/25/2016 0850 Case Summary Viewed 8/23/2016 0951 Case Summary Viewed 8/23/2016 0818 Case Summary Viewed 8/22/2016 1121		
--	--	--

## Appendix 2: Delphi Method full survey. With permission from Dr. Trenton Bryson.

Event Based Handoff Questions	Toolkit Based Handoff Questions																																
<p>1. Did you know this handoff existed?</p> <p>Yes</p> <p>Do you currently use this tool?</p> <p>Yes / No</p> <p>Do you read through the information it generates each time?</p> <p>Never Rarely Sometimes Usually Always</p> <p>No</p> <p>How likely do you think you are to use this tool now that you know it is there?</p> <p>I won't Unlikely Undecided Likely I will</p>	<p>1. Compared to the already in existence handoff, which do you prefer</p> <p>Check-in Event with Auto-Note No preference Toolkit One-Click Access</p>																																
<p>2. Do you think there was too little, just right, or too much information in the handoff?</p> <p>Too little</p> <p>What would you add?</p> <p>Just right</p> <p>Too much</p> <p>What would you get rid of?</p>	<p>2. How likely do you think you are to use the One-Click tool if it were created?</p> <p>I won't Unlikely Undecided Likely I will</p>																																
<p>3. Is there anything you wish were different about this aid?</p>	<p>3. What would you include?</p> <table border="1"> <thead> <tr> <th>Patient Name</th> <th>Age</th> <th>Gender</th> <th>ASA Status</th> </tr> </thead> <tbody> <tr> <td>Problem List (full)</td> <td colspan="3">Problem List (limited to neuro/card/pulm/endocrine/renal)</td> </tr> <tr> <td>Current Procedure</td> <td>Allergies</td> <td>Type&amp;Screen Done?</td> <td>Pre-op labs</td> </tr> <tr> <td>Airway details</td> <td>Lines details</td> <td>Total IV fluids given</td> <td>Total Transfusion given</td> </tr> <tr> <td>Urine Output</td> <td>EBL</td> <td>Intraop Labs</td> <td>Pressors Given</td> </tr> <tr> <td>Last Paralytic</td> <td>Intraop Antibiotics</td> <td colspan="2">Controlled Substance totals</td> </tr> <tr> <td>Postop Dispo (ICU vs PACU)</td> <td colspan="3">Presence of Epidural</td> </tr> <tr> <td colspan="4">Other:</td> </tr> </tbody> </table>	Patient Name	Age	Gender	ASA Status	Problem List (full)	Problem List (limited to neuro/card/pulm/endocrine/renal)			Current Procedure	Allergies	Type&Screen Done?	Pre-op labs	Airway details	Lines details	Total IV fluids given	Total Transfusion given	Urine Output	EBL	Intraop Labs	Pressors Given	Last Paralytic	Intraop Antibiotics	Controlled Substance totals		Postop Dispo (ICU vs PACU)	Presence of Epidural			Other:			
Patient Name	Age	Gender	ASA Status																														
Problem List (full)	Problem List (limited to neuro/card/pulm/endocrine/renal)																																
Current Procedure	Allergies	Type&Screen Done?	Pre-op labs																														
Airway details	Lines details	Total IV fluids given	Total Transfusion given																														
Urine Output	EBL	Intraop Labs	Pressors Given																														
Last Paralytic	Intraop Antibiotics	Controlled Substance totals																															
Postop Dispo (ICU vs PACU)	Presence of Epidural																																
Other:																																	
<p>4. Any other comments?</p>	<p>4. What would you change about how this tool works?</p> <p>5. Any other comments?</p>																																

## Appendix 3: Complete list of questions asked during One-on-One interviews with faculty anesthesiologists

1. What are your thoughts about the current intra-operative (intra-op) handoff process?
2. What are your thoughts about the current intra-op handoff tool?
3. What do you like about the current tool? Both functionally and content wise?
4. What do you dislike about the current tool?
5. How would you rate your satisfaction with the current intra-op handoff process?
  - a. Scale of 1 (very dissatisfied) - 10 (satisfied)
6. How would you rate your satisfaction with the current intra-op handoff tool?
  - a. Scale of 1 (very dissatisfied) - 10 (satisfied)
7. How would you rate your opinion about the usefulness of the current intra-op handoff tool?
  - a. Scale of 1 (not useful at all) - 10 (very useful)
8. What do you think about the content of the tool (too much? Too little? Useful?)
9. What items in the current tool would you keep?
10. What items in the current tool would you discard?
11. If resources and programing is not an issue, how would you like the ideal intra-op handover process to be like? What kind of tool would be helpful? What other things can we provide to make the process more useful for you?