

John Leonard

From: William Benton <wbenton@vcu.edu> on behalf of William Benton
Sent: Friday, September 6, 2024 1:18 PM
To: Melchior Savarese
Cc: Yotom Rabinowitz; John Leonard
Subject: Re: Potential Collaboration on Anesthesia Emergency Simulation Project

Categories: [Archive-VCU]

We discussed the project with our team today, and have identified a team lead for the initial prototyping. We are sorting out the best pathway for prototyping (speed vs depth), and are happy to take further notes from you on your preference - we are planning to make something that works for a desktop learning environment.

Would you mind sending along the powerpoint that you showed us in this morning's email? It will help our student team lead get oriented; she already has the other assets you shared via email.

thank you, and we are looking forward to working with you,
William

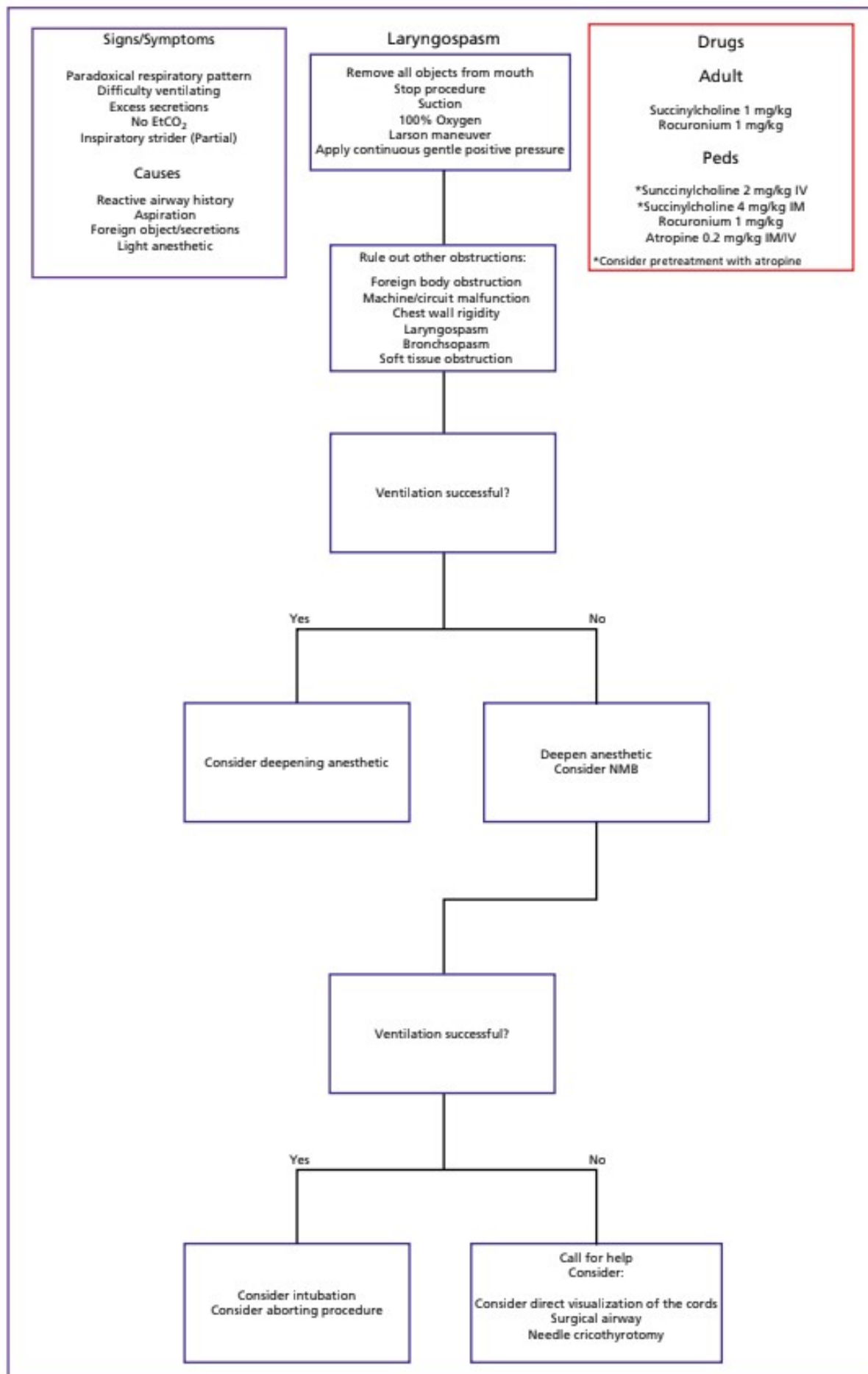
On Fri, Sep 6, 2024 at 11:15 AM William Benton <wbenton@vcu.edu> wrote:
much appreciated, I'll use these in my team briefing today!
-William

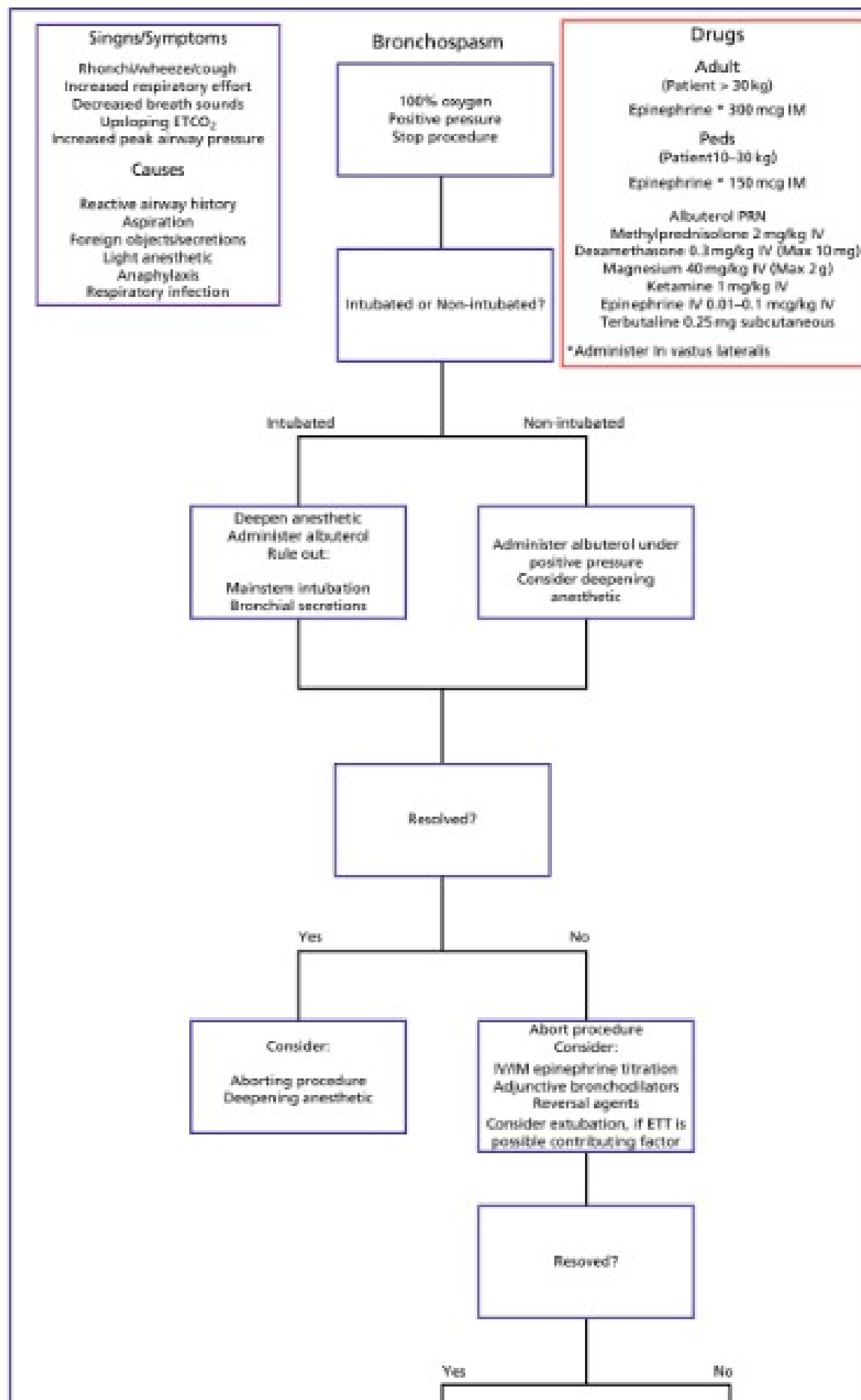
On Fri, Sep 6, 2024 at 11:10 AM Melchior Savarese <savaresemf@vcu.edu> wrote:
Additionally is the link to SIMVANA VR sim, for reference of end scale model

<https://www.youtube.com/watch?v=IXsAo4tknr8>

On Fri, Sep 6, 2024 at 11:06 AM Melchior Savarese <savaresemf@vcu.edu> wrote:
Will,

I have attached a generic laryngospasm pathway algorithm. There are many different pathways that could be added, this is about as simple as it would be. I have also attached an anesthesia book that has many of the algorithms of common emergencies and urgencies that we might encounter. The perioperative emergencies section that is a good example of the number of scenarios we may encounter in the OMFS office starts at page 245.





ACLS Megacode 1: Ventricular Rhythms

Hurry, don't let time run out!

5 Minutes 47 Seconds

Step 1 of 10

10%

A 73-year-old, male presents to the emergency department feeling light-headed and complaining of chest pain.

He appears diaphoretic and uncomfortable. Initial vitals:

T: 35.7, P: 88, R: 30 BP: 180/100, O₂: 93%

1. What is your initial step in management?*

- ☐ Immediately activate Cath Lab and STEMI protocol
- ☐ Initiate compressions
- ☐ Give a beta-blocker
- ☐ Place patient on monitor, establish IV access, gather history and examine patient, provide supplemental oxygen, get an EKG

Next





On Fri, Sep 6, 2024 at 9:50 AM Yotom Rabinowitz <rabinowitz@vcu.edu> wrote:

----- Forwarded message -----

From: **William Benton** <wbenton@vcu.edu>

Date: Fri, Sep 6, 2024 at 9:32 AM

Subject: Re: Potential Collaboration on Anesthesia Emergency Simulation Project

To: Yotom Rabinowitz <rabinowitz@vcu.edu>

CC: John Leonard <jdleopard@vcu.edu>

Hello,

it was a pleasure to meet with you this morning, we are going to put the project forward to our team today at noon.

If you can send us a reference for the emergency care steps related to laryngospasm, as well as a couple of precedent training simulators you think work well, we will use them to contextualize the project with our team. We will get back to you after that meeting with an update on feasibility and timeline.

-William

On Thu, Aug 29, 2024 at 3:04 PM Yotom Rabinowitz <rabinowitz@vcu.edu> wrote:

Hi,

Thank you all for your interest. Interdisciplinary projects are always exciting. Would love to discuss more. Next Thursday 9/5 at 9 AM would work well for me.

Looking forward to meeting you.

Best,

Yotom

On Thu, Aug 29, 2024 at 11:53 AM John Leonard <jdleonard@vcu.edu> wrote:

Yotom,

Nice to meet you! I'm adding Dr. William Benton, co-founder of our Software for Social Good VIP team.

Your project sounds fun and might be something that our students can help with. Our student teams excels at user experience/user interface design.

What about a meeting next week, Wednesday or Thursday before noon? Zoom is fine!

JL

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From: Yotom Rabinowitz <rabinowitz@vcu.edu>

Sent: Thursday, August 29, 2024 8:00 AM

To: John Leonard <jdleonard@vcu.edu>

Subject: Potential Collaboration on Anesthesia Emergency Simulation Project

Dear Dr. Leonard,

I hope this message finds you well. My name is Yotom Rabinowitz, and I am an Oral and Maxillofacial Surgeon here at VCU Health. I am reaching out to explore the possibility of collaborating on a project I am developing.

The project aims to create a computer-interface simulation program for managing anesthesia emergencies in ambulatory centers and offices. This program would be specifically designed for Oral and Maxillofacial Surgeons and others practicing in similar settings.

I am currently seeking to secure a product development grant through VCU to create a demo version of this software. If you or anyone in your department might be interested in this initiative, I would appreciate the opportunity to discuss it further.

I would be happy to schedule a brief Zoom meeting at your convenience.

Thank you for considering this opportunity.

Sincerely,

Yotom Rabinowitz DDS

Associate Program Director | Assistant Professor

Department of Oral & Maxillofacial Surgery

VCU | VCU Health System | VCU School of Dentistry

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