Virtual Exhibit Hall: Novavax

June 7, 2023

AIM does not endorse any products featured on the AIM Virtual Exhibit Hall Webinars. The information displayed is provided by vendors and not verified by AIM.

This webinar is being recorded and will be posted to the AIM website.
Agenda

• 1:00 - 1:02 ET: Welcome and Technology Overview (Monica)
• 1:02 – 1:25 ET: Novavax Presentation
• 1:25- 1:30: Q&A and Closing
Maria Young, Severe COVID-19 ECMO Survivor
Associate Director of Advocacy, U.S. Eastern Region, Novavax

myoung@novavax.com

Joined Novavax in January with over 15 years’ experience working in health communications supporting multiple government agencies within the U.S. Department of Health and Human Services (HHS). In her role at Novavax, Maria has responsibility for national accounts along with strategic collaboration with the Eastern Region.

In 2021 Maria became a severe COVID-19 and ECMO (an extreme form of life support) survivor after spending over four months at the Johns Hopkins Hospital in Baltimore, Maryland. After her discharge, she established Maria’s Miracle, a 501(c)3 non-profit dedicated to funding critical care medical training and supporting families and patients facing ECMO treatment or recovery from prolonged ICU stays. She continues to battle long COVID and the after effects of her time in the ICU.
ECMO Eligibility During COVID-19

While each Institution makes their own determination, ELSO provided the following guidance during the COVID-19 pandemic for best outcomes:

- Patients age <65 years old
- BMI <40
- Not immunocompromised
- Intubated <7 days
- No multi-system organ failure
- Will not reasonably survive next 48hrs without intervention
- Bed availability

Total ELSO Registry COVID-19 ECMO Cases: 16,652 (10,730 in U.S.)

In Hospital Mortality Rate: 47%

*For patients who initiated ECMO over 30 days ago. 326.23
COVID-19 Hospitalization Journey

Symptoms Start
October 25, 2020

Diagnosed at ER: COVID & Double Pneumonia
October 30

Stay at COVID Rehab Facility
October 31 - November 2

Released Home
November 2

Returns to ER via Ambulance
November 5

Intubated & Sedated for Transfer to JHU
November 13

Removed from Ventilator
January 21

VV ECMO
November 14, 2020 - January 20, 2021

First Memories
February 5

First Family Visit
January 23

Hospital Discharge
March 4, 2021

Transfer to Acute Rehab Facility
February 18
Hospitalization Challenges

**DURING ECMO**
- Tracheostomy
- Collapsed lungs
- UTIs
- Eye infection
- 3 Blood transfusions
- Bacterial infections
- Heparin allergy/HITT
- PEG tube placement
- Proned twice

**AFTER ECMO**
- Drug withdrawal
- Delirium
- Isolation
- Extreme muscle atrophy
- Pressure injury on scalp
- Vocal cord paralysis
- Nerve compression
- Swelling/Rigidity
- Demoralization

2023 Property of Maria Young. All Rights Reserved. Photographs used with permission for educational purposes.
Family Experience

**Challenges:**

- Many questions, few answers
- Lack of access to patient and changing care team
- Few accessible resources about ECMO & COVID-19
- Decision fatigue and people requesting updates
- Limited hospital resources
- High emotions

**Where support was found:**

- Weekly zoom meetings with my care team
- Established flow of updates through community
- List of ways community can help
- Social media and virtual support groups
Recovery

**Long COVID**
- Brain Fog
- Dysautonomia
- Extreme Fatigue
- Shortness of Breath
- Hair Loss

**ICU Impact**
- Cognitive Impairment
- Body Deconditioning
- Post-Intensive Care Syndrome (PTSD)
- Vocal Cord Paralysis
- Nerve Damage in Left Hand

**Impact to Life**
- Required Complete Care
- Loss of Independence
- Loss of Wages
- Months of Intense PT, OT, & SLT
- Navigating Disability & Insurance
The Silver Lining
Upcoming Virtual Exhibit Hall Webinars

• Wednesday, June 7 at 2:30-3:00 PM ET | Logtag Recorders

• Wednesday, June 28 at 1:00-1:30 PM ET | Bavarian Nordic

• Thursday, June 29 at 1:30-2:00 PM ET | Traceable

• Wednesday, July 26 at 2:00-2:30 PM ET | Pfizer
Closing

• Still have questions? Submit your questions to monica_mayer@outlook.com and AIM will facilitate a response.

• Take the event evaluation that we will send at the end of the webinars. Your feedback will help us improve!

• The event recording and Vendor FAQs will be available on the AIM website
  https://www.immunizationmanagers.org/corporate-alliance/virtual-exhibit-hall/