

## 23 years in 2 minutes!

- 1980 Born in Atlanta
  - Active childhood sports and ballet
- 1995
  - Costa Rica study abroad-coastal rain forest
  - Acquired hundreds of mosquito bites
  - Led to cellulitis infection, inflammation, and hospitalization
  - Infection treated; edema remained R leg
  - Tireless search began to determine cause
    - Multiple physicians, specialists, misdiagnoses, unnecessary medications

#### 1999

- Lymphedema diagnosis-searching on the world wide web
- Complete Decongestive Therapy
- 1999-2017
  - Day/night garments, MLD, healthy lifestyle
  - Certified Lymphedema Therapist 2013
  - Edema worsened-2<sup>nd</sup> pregnancy
  - Presented at lymphedema conference- met Dr. Chen

#### 2018

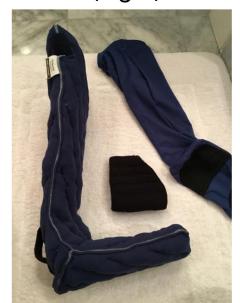
- Initial assessment with Dr. Chen
- Near-Infrared Fluorescence (NIRF)
   Lymphography; aka Indocyanine Green (ICG)
   lymphography

# My Lymphedema Management

(day)



Flat knit garments Chip foam garments (night)



Garments on



Garments just removed



# 1 hour after garment removal







# 1 hour after garment removal







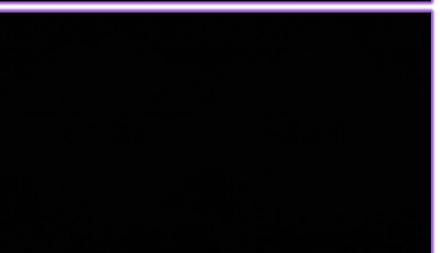


### **Near-Infrared Fluorescence (NIRF) Lymphography: Lower Extremities**









Delayed Right Leg

> Delayed Left Leg



# Near-Infrared Fluorescence (NIRF) Lymphography: Left Upper Extremity

Initial Scan Left Arm



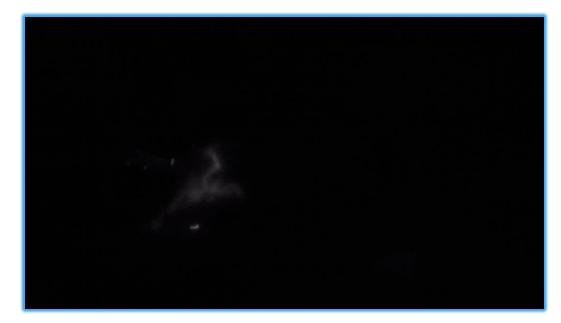
Delayed Scan Left Arm



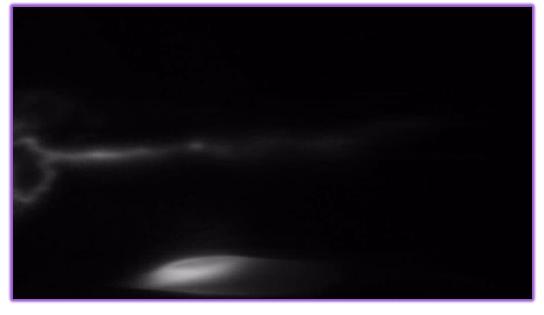


# **Near-Infrared Fluorescence (NIRF) Lymphography: Right Upper Extremity**

Initial Scan Right Arm



Delayed Scan Right Arm





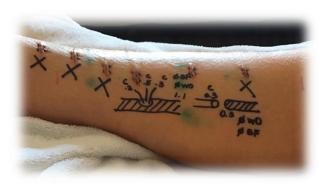
## **Conclusions from NIRF Lymphatic Imaging**

- ICG lymphographic findings consistent with congenital lymphedema of all 4 extremities
  - Dermal backflow and star dust patterns; very few linear patterns
- Moderate clinical presentation
- ICG lymphography indicated severe lymphatic hypoplasia
- Right arm is the most preserved and has the highest chance of successful LVA surgery
- Decision to move forward with LVA



### **April 2019-Right Leg**







7 incisions with 5 LVA connections

### October 2019-Left Leg







5 incisions with 10 LVA connections



### MAY 2020- Lower Extremities



### NOV 2019 DEC 2019 SEPT 2020









