DIFFICULT AIRWAY AND NEUROFIBROMATOSIS TYPE 2: ANESTHESIA FOR URGENT CESAREAN SECTION

Makenzie A. Cherveny, DO (Presenter) Davina V. Tolbert, MD, MPH (Primary Author) Anna K. Swenson, MD (Faculty Mentor)

Case: URGENT cesarean section for G1P0 at 33 weeks due to worsening preeclampsia and Category II FHR tracing

- Neurofibromatosis Type 2
- Twin pregnancy (di-di, IVF)
- Recent coronavirus infection with new oxygen requirement (1-2 L)
- Laryngomalacia with tracheostomy until age 2
- DMII and DKA on admission
- Hypothyroidism

Anesthesia Consult prior afternoon:

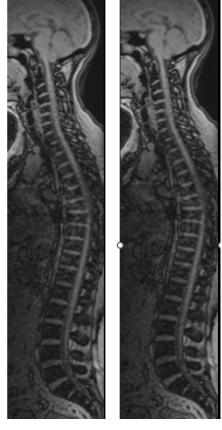
- Reviewed imaging & History
- Exam

Neurology Consulted:

Repeat spine MRI

ENT Consulted:

Unavailable



Neurofibromatosis Type 2:

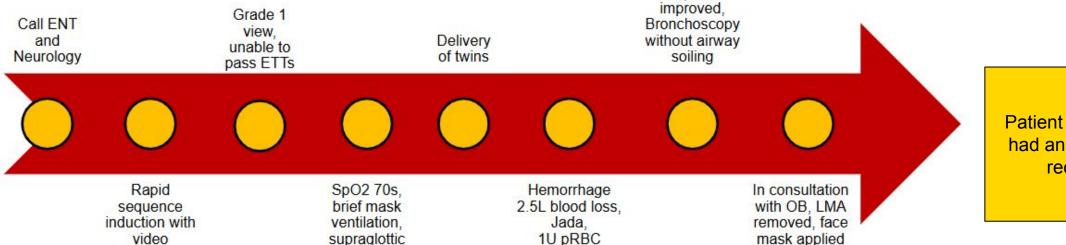
- Autosomal dominant
- Vestibular schwannomas
- CNS tumors:
 Schwannomas,
 Meningiomas, and
 Ependymomas
- General Anesthesia Considerations:
 - Neurofibromas in and around airway
 - Access
- Neuraxial Anesthesia
 Considerations:
 - CNS tumors
 - Increased ICP
 - Prior surgeries





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transfused

Patient and Infants had an uneventful recovery

Neuro Consult:

 Repeat MRI not complete before c/s called

laryngoscopy

 Recommended against Neuraxial

ENT Consult:

airway placed

 Not available in person

Postoperative ENT Consult:

SpO₂

Elongated arytenoids

with O2

Vocal cord hooding





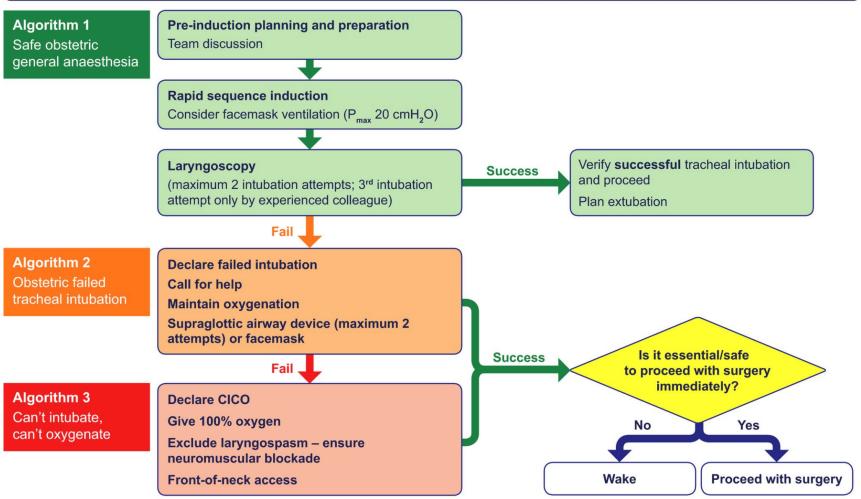




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Master algorithm – obstetric general anaesthesia and failed tracheal intubation



Considerations:

- J FRC
- O2 requirement
- † Airway edema
- ↑ Aspiration Risk
- PMHx

Management:

- Call for Help
- Advanced Airway Equipment
- Early involvement of a multidisciplinary team in the antenatal period



