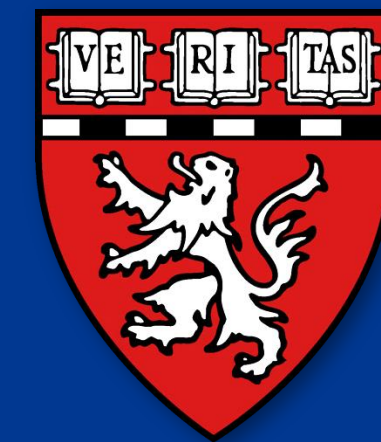




Missing the point: Failed labor epidural analgesia in a childhood cancer survivor who received intrathecal chemotherapy

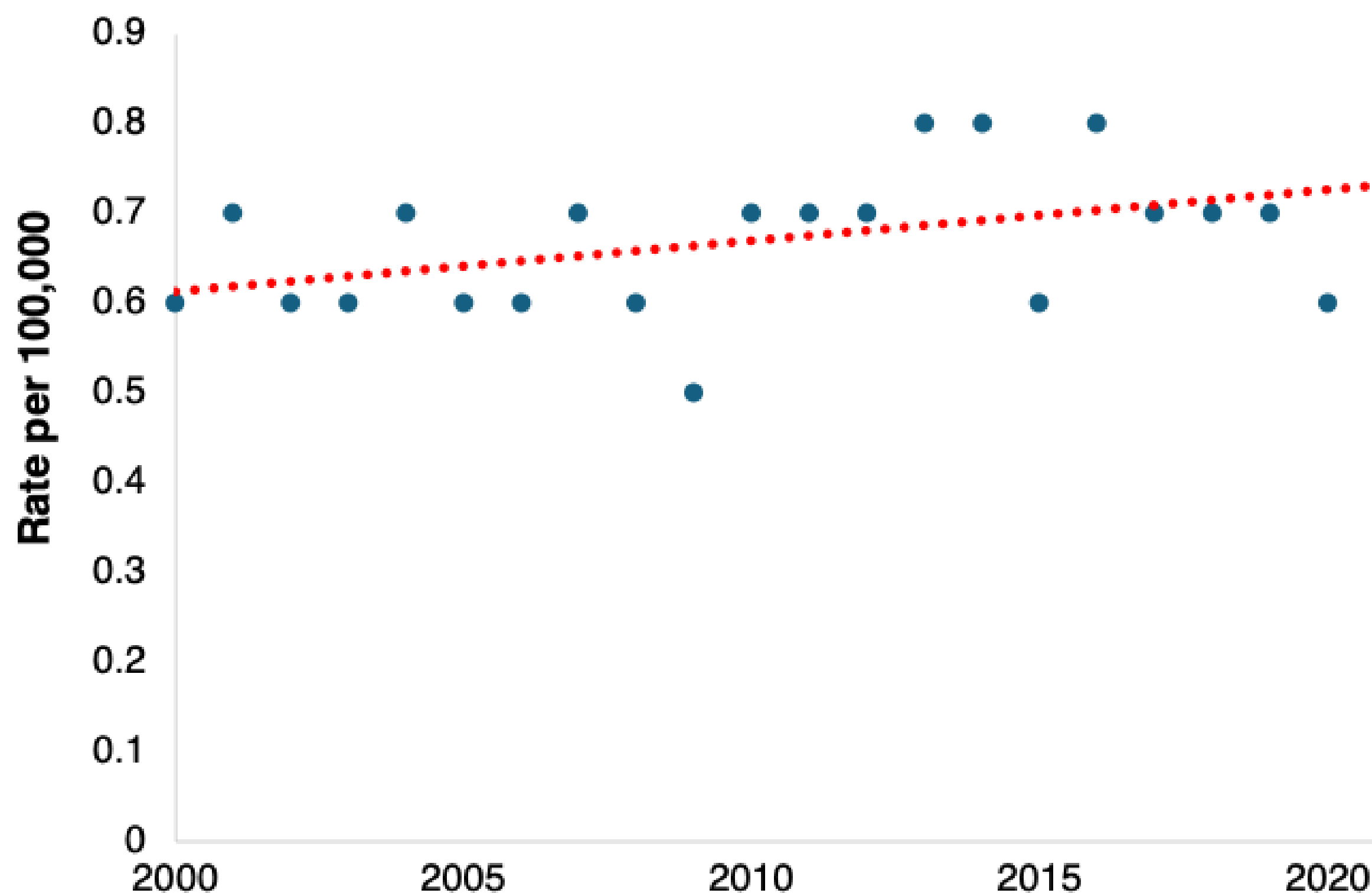


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Background

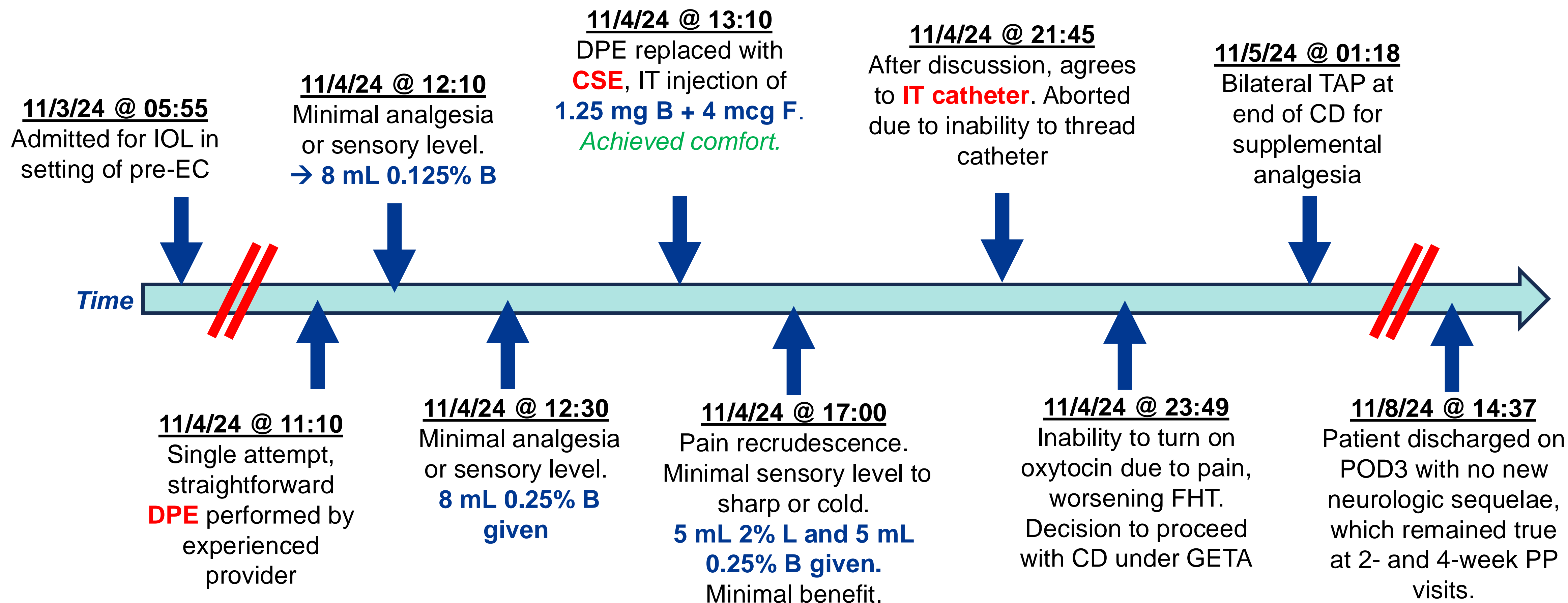
- In 2021, ~ **8** in 1,000,000 US females < 15 years of age were diagnosed with NHL
- ~**496,000** US adults have survived childhood cancer
- Such patients may have received intrathecal chemotherapy (ITC) to treat primary or secondary neoplastic disease
- The most common ITC agents are methotrexate and cytarabine
- Treatment with ITC agents may cause neurotoxicity

Rate of New Diagnoses of Non-Hodgkin's Lymphoma in US Females < 15 yo 2000-2021



Case

29F G1P0 with PMHx of adolescent metastatic NHL, rx'd with systemic and IT MTX and cytarabine, p/f IOL for pre-EC, and requested labor epidural analgesia.





Discussion: Neuraxial after Intrathecal Chemotherapy for Cancer

Neuraxial Failures

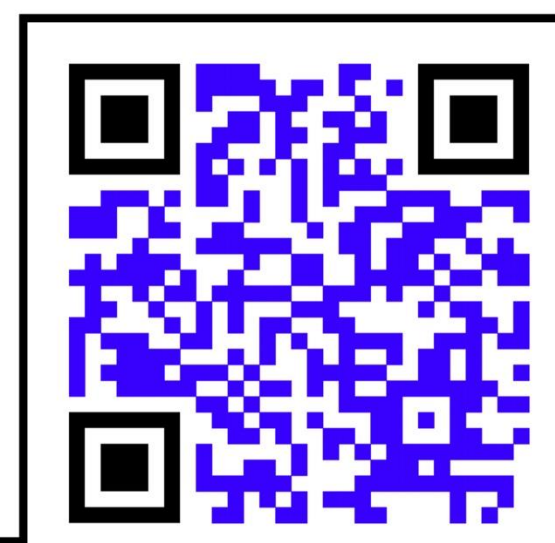
Three attempts with **three** different neuraxial techniques, analgesia only from intrathecal injection of local anesthetics.

Absence of PDPH

The patient did NOT develop PDPH or other novel neurologic sequelae postpartum

Future Directions

- (1) Role of antepartum neuraxial imaging in patients w/ prior ITC
- (2) Correlation of ITC type, dose, duration, and cycles and associated neuraxial failure



References