

Neurologic Complications of Systemic Cancer

Direct Involvement

- Metastasis
- Local spread

Hypercoagulability

- #Stroke
- Most common with GI adenocarcinoma

Complications of Rx

- Chemotherapy

Neuropathy

- Platin
- Taxane
- Vincristine
- Bortezomib

PRES

- Bortezomib

Cerebellar

- Cytarabine

Spinal cord

- Intrathecal

- *Checkpoint Inhibitors
- Multiple neurologic sites

- Radiation

Myelopathy

- # Leukoencephalopathy
- # SMART syndrome
- # Plexopathy

Paraneoplastic

*or sporadic

#Limbic encephalitis

- Anti-Hu, anti-NMDA*, others

#Cerebellar degeneration

- Anti-Yo, anti-Hu, anti-Ma

#Myelitis

- Anti-Hu, others

#Ganglionopathy

- Anti-Hu

#Lambert-Eaton

- Anti-Voltage gated Ca⁺⁺

#Myasthenia Gravis (MG)

- Anti-AchR*

#Opsoclonus myoclonus

- Anti-Ri

Commonly associated cancers

*SCLC: Any

*Thymoma: MG

*Teratoma: Anti-NMDA

*Ovarian: Anti-Yo

*See antibody-mediated encephalitis illness script