

# Toxic leukoencephalopathy

- Encephalopathy predominantly affecting white matter as a result of a toxic substance.
- Clinical presentation of toxic leukoencephalopathy is extremely variable
- Ranging from minor cognitive impairment, easily confused with psychiatric illnesses to severe neurological dysfunction.

# Causes

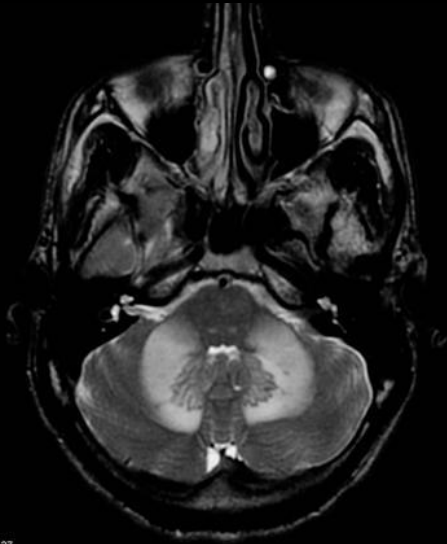
- Antineoplastic drugs
  - methotrexate (10% IV, 40% intrathecal)
  - carmustine
  - cisplatin
  - cytarabine
  - fluorouracil (5-FU)
  - thiotepa
  - interleukin-2 (IL-2)
  - interferon alpha (INF alpha)
- Immunosuppressive drugs
  - Cyclosporin
  - Tacrolimus
- Antimicrobial agents:
  - amphotericin B
  - Hexachlorophene
- Carbon monoxide
- Radiation

# Causes (Abuse)

- Toluene
- Ethanol
- Methanol
- Cocaine
- MDMA, ecstasy
- Intravenous heroin
- Inhaled Heroin “chasing the Dragon)

# Chasing the Dragon

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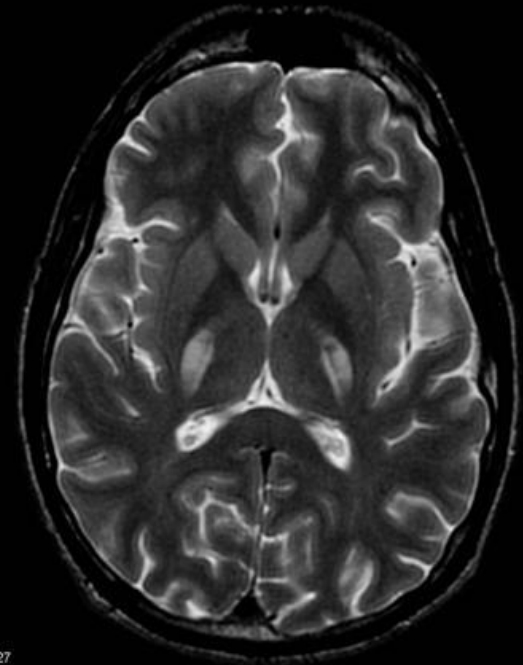
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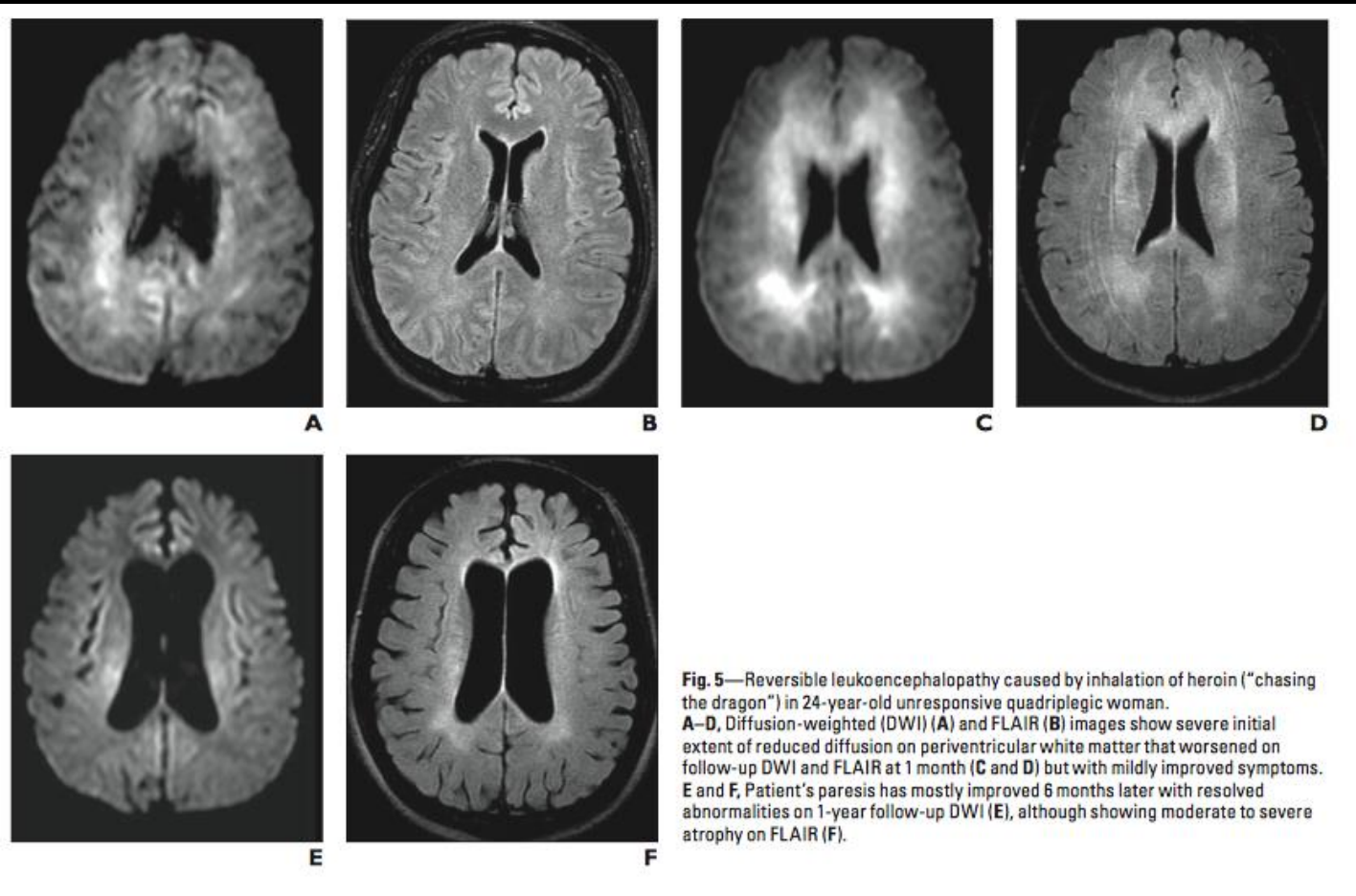
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# Chasing the Dragon



# Cyclosporine

