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- Professor and Medical Director of the Clinical Center at Rutgers University Environmental and Occupational Health Sciences Institute.
- Director of studies of the 9/11 survivors from the World Trade Center disasters and holds a multi-year NIOSH grant that has linked WTC exposure and cancer.

Moe Mellion, MD, DABFP

- Board Chair, Environmental Health Trust
- Past President, American Academy of Family Physicians
- Associate Medical Director, National Blue Cross Blue Shield Association
- Chairman, National Council of Physician Executives

Experimental Studies Show Synergistic Effects Between EMF and Known Toxins

- Lerchl et al 2015 found that animals exposed to both a known cancer-causing agent and RF developed more liver and lung tumors than animals exposed only to either agent alone.
- Byun et al 2013 found that among children exposed to lead, those with higher cell phone exposure had higher ADHD symptoms.

Case Report: Lt. Bill: NJ State Trooper 2016

48 year old man, coordinated operations at 9-11 disaster site for ~ 2 years

- Exposure History:
 - Arrived at WTC site shortly after planes crashed into towers, coordinated interagency response, drove from place to place in various vehicles for ~ 2 years
 - Typically drove with right hand and held cellular phone against his ear with his left hand
 - Had almost constant exposure to RF during the 2 years of WTC supervision

Case Study: Clinical History



- Presented with memory loss in early 2015
- 3 months later – abnormal MRI demonstrated glioblastoma multiforme in left frontal temporal lobe
- Underwent surgery in May 2015 followed by chemotherapy and radiation
- Died December 27, 2016

Case Study: Possible Interactions

- Multiple toxin exposures to materials at WTC
- Complex exposures to microwave radiation from phones and various communication devices
- Besides Bill, 2 other temporal lobe glioblastoma and 1 temporal lobe astrocytoma in the 2800 people who came to the NJ Clinical Center of WTC, 1 other brain tumor under investigation
- Need for further studies