Dialogue with the Doctors
Cell Phones, Wireless and Your Health: A Scientific Update with Practical Recommendations

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July 31, 2017
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Human Evidence that Cell Phones Probably Cause Brain Cancer

Three important sets of studies:

• Interphone (2010, 2014) ~2-fold increased risk for 10+ years use of cell phones

• Hardell in Sweden (2012 and earlier) 2-5-fold increased risk after prolonged use of cell and cordless phones

• Cerenat France (2014), ~5-fold increased risk for 5+ years use of cell phones
CERENAT: French National Study

Increased risk of brain tumors with heaviest users
Why Is There No Overall Increase in Brain Cancer Incidence?

• Expectation: Change will be slow, and small
• Potential confounding: Trends in diagnosis
• Latent period: Likely to be prolonged
• Younger cases are increasing in US, UK, Australia, Israel (parotid gland tumors)
Brain tumors are now the highest incidence cancers in US adolescents

Source: Ostrom et al. CBTRUS 2016
Conclusions

- From epidemiology: Radiofrequency Radiation is a Probable Human Carcinogen (IARC Category 2A)
- With NTP: There is *Sufficient evidence* that Radiofrequency radiation is carcinogenic to humans (IARC Category 1)
Implications

✓ Radiofrequency radiation is now ubiquitous.
✓ Although the risk per individual is low, the radiation is widely distributed and could result in major public health problems.
✓ The Precautionary Principle must be applied now and exposure reduced to As Low a level As Reasonably Achievable.