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Bioelectromagneticmedicine: therole of resonancesignaling.

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Abstract

Only recently has the critical importance of electromagnetic (EM) field interactions in biology and medicine been recognized. We review the phenomen on of resonance signaling, discussing how specific frequencies modulate cellular function to restore or maintain health. The application of EM-tuned signals prepresents more than merely a new tool in information medicine. It can also be viewed in the larger context of EM medicine, the all-encompassing view that elevates the EM over the biochemical. The discovery by Zhadin that ultra small magnetic intensities are biologically significant suggests that EM signaling is endogenous to cell regulation, and consequently that there mark able effectiveness of EM resonance treatments reflects a fundamental aspect of biological systems. The concept thatorganismscontainmechanismsforgeneratingbiologicallyusefulelectricsignals is not new, dating back to the nineteenth century discovery of currents of injury by Matteucci. The corresponding modern-dayversion is that ion cyclotron resonance magnetic field combinations help regulate biological information. The next advance in medicine will be to discern and apply those EM signaling parameters acting to promote wellness, with decreasing reliance on marginal biochemical remediation and pharmaceuticals.

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