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- Complex & best conceptualized in a bio-psycho-social-spiritual framework
- Best outcomes when integrating different management & treatment approaches
- Patient preferences/values are paramount for treatment adherence & effectiveness
- Incorporating patient preferences & values into pain plan facilitates success



























































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NEUROFEEDBACK (NF)

Non-invasive treatment targeting brain activity

Type of biofeedback providing real-time information to patients about their brain activity

Allowing them to learn how to directly change this activity in ways that may lead to improved health and comfort.

Measures brain activity via EEG or functional Magnetic Resonance Imaging (fMRI)

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EEG approach accessible & less expensive

- Electrodes placed on scalp to measure amplitude/oscillatory activity in different frequency bandwidths
- Banowichts
 Raw electrical signal represents collective activity of millions of neurons in the cortex
 Signal analyzed & aspects of electrical brain activity fed back to patient



Biofeedback/Neurofeedback

- Sympathetic and Parasympathetic activation
- Rest & Digest
- You don't know what you don't know
- Does NOT measure or confirm pain
- Tool to support self-efficacy

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QUESTIONS



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