



Medical hypnosis: background



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Medical hypnosis integrates various techniques (imaginative and metaphorical thinking, mindfulness, ...) aimed at increasing the patient's motivation and altering his or her behavioral patterns in order to overcome various difficulties (anxiety, somatoform disorders, chronic and acute pain, etc.)

Important characteristics of medical hypnosis:

- The patient is asked to cooperate actively
- Mutual trust is essential for application of hypnotic techniques
- The patient is completely in control of the situation and can decide whether or not to accept therapist's propositions
- Is characterized by an altered state of wakefulness

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Methods

- As a quality improvement project, no authorization from our local ethical committee was required (decision: April 3rd 2018)
- MRI exams using medical hypnosis were accomplished in 61 claustrophobic patients between December 2015 and March 2018 on a wide-bore 3T MR (MAGNETOM Skyra, Siemens Healthcare)
- We assessed the percentage of patients having completed the MR exam with diagnostic images (based on the radiologist's report); furthermore, we estimated the additional length and costs of the MR exam using hypnosis and patient satisfaction as compared to MR using pharmacologic sedation







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As compared to MR under pharmacologic sedation, MR under hypnosis in claustrophobic patients allows:

- Obtainment of MR images of equal diagnostic quality
- Reduction in the duration of MR exam time (20-30 min shorter)
- Reduction in procedural costs
- Reinforcement of the patient's self empowerment

