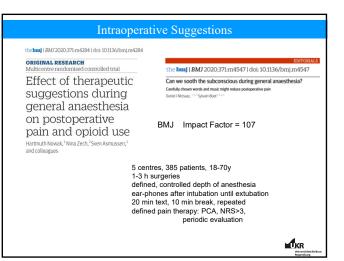
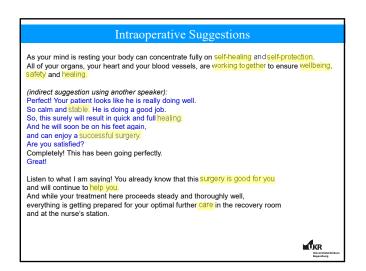
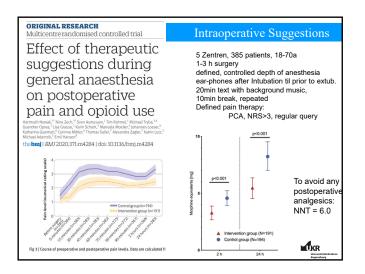


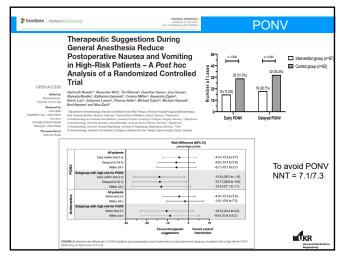
	Size						
Anxiety	0.40	0.60	0.70	0.23	0.14	0.03	
Pain	0.25	0.50	0.35	0.18	0.09	0.04	
Analgesics	0.16	0.12	0.70	0.15	0.16	0.16	
Nausea	0.38	0.89	0.42	0.25	0.07	0.21	
Antiemetics						0.22	
• sm • he • lov • un	in previou (1986-200 all size terogenes d v quality klare depth gations in th	1) esign of anestł	nesia			4	VP



Intraoperative Suggestions Part A (19 min, followed by a 10 min break, repeated several times. Start after induction of anaesthesia and ends with stop of volatile anaesthetic): You are sleeping sound and deep. And you can relax and rest, fecover and draw strength, because you are safe now, well-protected. Everything that you hear and see and feel contributes to your best care. And that's why you can completely concentrate on your body's own way to heal itself. And we are right by your side. My voice will go with you, and you can focus on it, because what I say to you is important for you, is important for your well-being and your healing. With every deep breath that the respirator takes care of, so that you can save your strength for later, You can take in fresh air, oxygen, and whatever else is good for you and is of help to you. And with every exhale you can get fild of all the used air and can let go all that is disturbing or a burden to you. Breathe out and let go. And with every breath you take you can take in ease, confidence and strength for healing, on and on.		
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	Porion					Introop	Introop
Anxiety	0.62	0.60	0.70	0.23	0.14	0.03	
Pain	0.35	0.50	0.00	0.18	0.09	0.04	0.45
Analgesics	0.23	-0.12	0.70	-0.15	0.16	0.16	0.36
Nausea	0.60	0.89	0.42	0.25	0.07	0.21	0.34*
Antiemetics						0.22	0.30*
						* with PON	/ prophylax

Text Generation				
Basic Psychological Needs	Traumatic Stressors	Topics for "Essential Communication"		
Relationship	Abandonment	Accompaniment		
and belonging	Inability to express oneself	Contact		
Pleasure gain and	Pain, suffering	Comfort		
Avoidance of displeasure	Hopelessness	Confidence		
Orientation	Chaos	Information		
and control	Dependence	Control		
	Helplessness	Instructions		
Self-esteem	Degradation	Respect		
and self -protection	Fear, threat	Safety		
(Physical integrity)	Injury	Healing		

# Conclusion

# Perception in the unconscious

- exceeding "intraoperative awareness" (0.2%, implicit memory 2%)
- more careful behavior in OR (noise reduction)
- · avoid careless talks (pathology results, discussion of other patients)
- avoid negative talks (remarks about patient or operation course)
- · use earphones

# Suggestions effective under general anesthesia

- · at least as effective as with hypnosis
- · significantly less effort
- more effective than wake suggestions



# Conclusions for medicine

- 1. Perception under general anaesthesia ≠ « intraoperative Awareness" (0,2-2%)
  - Reduction of noises and careless conversations in the OR

#### E AMERICAN JOURNAL OF CLINICAL HYPNORI Volume VIII, Number 4, April 1968 Printed in U.S.A.

### THE MEANING OF CONTINUED HEARING SENSE UNDER GENERAL CHEMO-ANESTHESIA: A PROGRESS REPORT AND REPORT OF A CASE<sup>3</sup>

## David Bradley Cheek, M.D.<sup>2, 3</sup>

"Perfect conduct is a relation between three terms; the actor, the objects for which he acts and the recipient of the action.—The best intention will fail if it either work by false means or address itself to the wrong recipient." William Jance

"BE CAREFUL, THE PATIENT IS LISTENING" should be engraved over the door of every operating room, every recovery room, every intensive care unit in every hospital. Always there are two re-

who can recognize their capacity for act ing upon these suggestions. Unconsciou people are terriby vulnerable to pessi mistic thoughts and such thoughts as present in abundance on the eve of surgery The dangers of possimism and preopera tive anxiety can be mitgated, and thei usually done by thoughtful anesthesiolo gists while the patient is awake but the seldom continue their good work after th patient is amethetical.

PROGRESS OF INVESTIGATION OF

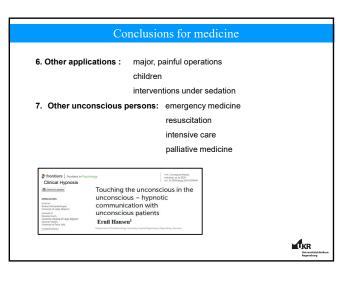
**UKR** 

Perception under general anaesthesia ≠ « intraoperative Awareness" (0,2-2%)
 Reduction of noises and careless conversations in the OR

# 2. Intervention reasonable, inexpensive, non-pharmacological against postoperative side effects

- 3. Further studies!
- 3. Avoidance of frequent negative influences
- Other parameters: delir, cognitive deficit, mobilizability, intraoperative need for anaesthetics, blood loss, etc. Need for anaesthesia, blood loss, etc. We only see what we measure.

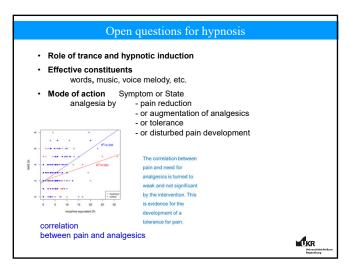
Many important parameters are difficult to measure (wound healing, immune defences, costs, length of hospital stay, outcome of surgery, etc).

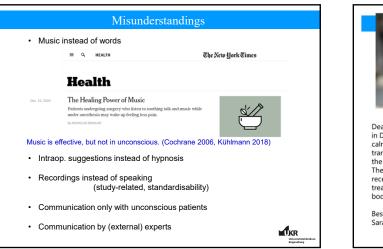


# Conclusions for hypnosis

- Evidence-based hypnosis
  Scientificity and studies open up access to medicine
- Studies
  multicenter instead of single center
- Comparison intraop. suggestions/ hypnosis more effective than wake suggestions, at least as effective as hypnosis (significantly less effort)
- Similarities touching the unconscious, suppression of the prefrontal cortex?

UKR







that, and she remembers a podcast she listened to yesterday about a German professor of medicine who'd tried playing people reassuring words while they were under general anaesthetic to see what would happen. They needed fewer opioids afterwards, that was what happened, turns out you can measure the painkilling properties of kindness, of the human voice, and when she heard the professor translating his recording she nearly cried. You are sleeping sound and deep, he said, you can relax and rest, because you are safe now, and well-protected. We are right by your side, and my voice will go with you. Oh God, she thought, don't we all need that, surgery or not, don't we all need someone to murmur to us as we fall asleep that he is watching over us and so we are safe, though surely you need a real person not a recording, surely there's a better use for all this new technology than pacifying ourselves with a simulacrum of the relationships we can no longer have, electric blankets and recorded words of reassurance, cloth monkeys, that's what it is, because no-one knows how to unlock the cage and we're all forgetting how to go back to the group. What if the surgeon himself said those rds while operating, what if it were a true litany in the visceral real life of the operating theatre rather than wires in the patient's ears as well as on her chest and wrists and legs? Sleeping with that voice must be what it's like to believe in God, to be able to imagine - not imagine, to know - that this fucked up world in which maddened baby monkeys are among the least signs of human inhumanity is still re in the hands of an Though I walk in the valley of the shadow of death, still thou art with me. All shall be well and all manner of thing. Nice idea. If only.

