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Emergency Communication

How to generate texts for patients/persons in need

Prof. Dr.med. Dr.rer.nat.

Ernil Hansen

Dept. Anesthesiology University Medical Center Regensburg Germany

ernil.hansen@ukr.de



The "Kansas-Experiment"

M.E. Wright

Emergency Hospital Kansas

ambulance attendants (paramedics): 3 groups instructed, others not 1977, for 6 months Instruction:

- 1) Remove patients from crowd noise.
- 2) Recite calm the "Statement" (patient conscious or not)
- 3) No negative or unrelated conversation.

Results:

- · more patients reached the hospital alive
- · more patients survived
- quicker recovery rates
- · shorter hospital stay

In: Jacobs. Communication for first responders. Brady 1991



The "Kansas-Experiment"

The "Statement":

"The worst is over. We are taking you to the hospital. Everything is being made ready. Let your body concentrate on repairing itself and feeling secure. Let your heart, your blood vessels, everything, bring themselves into a state of preserving your life. Bleed just enough so as to cleanse the wound, and let the blood vessels close down so that your life is preserved. Your body weight, your body heat, everything, is being maintained. Things are being made ready at the hospital for you. We're getting there as quickly and safely as possible. You are now in a safe position. The worst is over."

positive sugggestions



Emergencies

How we react to an incident is as important as the incident itself.

Our body cannot distinguish between events that are threatening in reality and those that appear threatening to us.



Emergency Trance

1) A patient in an emergency

is in an extreme situation.

Emergency: external impact unprepared unevitable abrupt loss of control helplessness

physical impairment

2) In extreme situations (fear, stress, pain)

existential threat

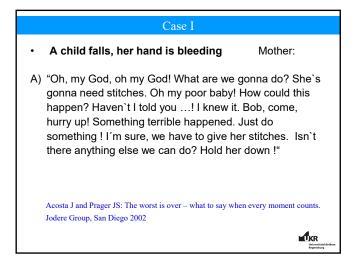
Trance is an altered state of consciousness (≠ rational thinking)
 that demands/allows a special communication

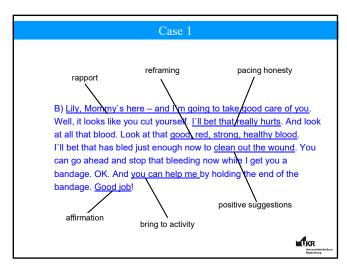


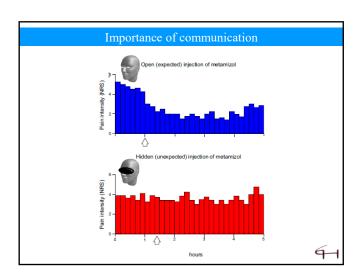
Trance-Phenomena

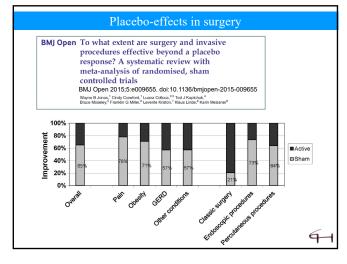
- focussed attention, self referred
- images vs. Rational, abstract conception
- literal, concrete understanding
- · authorities, loss of critical judgement
- catalepsy
- dissociation
- · altered perception, sensory and time distortion
- · selective amnesia
- negative hallucinations
- strong somatic and mental reactions
- · high suggestibility

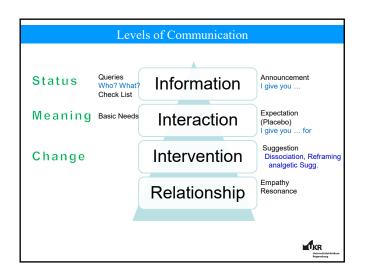


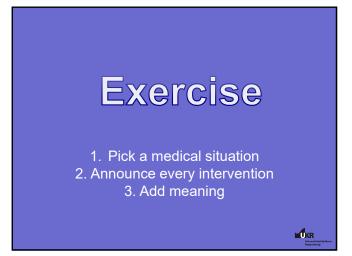






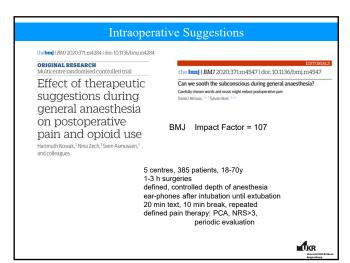






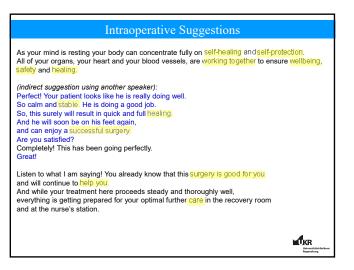
Text Generation Basic Psychological Needs Traumatic Stressors Topics for "Essential Communication" Relationship Abandonment Accompaniment and belonging Inability to express one Contact Pleasure gain and Pain, suffering Comfort Avoidance of displeasure Confidence Hopelessness Orientation Chaos Information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







Intraoperative Suggestions The surgery is going well. Surgeon and anesthetist are very satisfied. Everything is going according to plan, very professional, organized, and smooth. They sure know their trait. They know how to optimize your care. Your surgeons are very experienced in this type of surgery. They are highly focused and work with thorough care. Everything is ready and set for an optimal treatment. Those are the best conditions for a safe and successful surgery. The anaesthetist and the nurse are responsible for nothing else but your comfort and your safety. They are not departing from your side, until you have successfully and safely weathered this challenge. They are trained and experienced to look after you and take good care of you. You are well sheltered. All medication and equipment are ready to serve you well, to do the right and necessary things in all situations. We can always provide something good for you. All your essential bodily functions are continuously monitored and assessed. This consisting beeping sounds of the monitor shows your smooth, rhythmic heartbeat. Your blood pressure is strong and steady. The most essential tasks you are performing yourself. We healthcare guides just pay attention and care so that you and your body find optimal conditions.



Intraoperative Suggestions

While your treatment is progressing perfectly you can retreat to an inner safe and comfortable

And you can recover and regain strength.

Your body knows that when your mind is calm and relaxed and confident

your unconscious mind can best take care for you.

There, all of the involuntary functions of your body are stored,
Your digestion, your fluid balance, your temperature regulation, your hormone release, your program for wound healing, your infection defence, the rhythm of your sleep, and everything that keeps you resilient and healthy.

And from right there, all of these functions are regulated and coordinated.

Your inner self takes perfect care of you.

Let's now talk about the time after, after the surgery has been completed successfully. Should you feel some pressure beneath the bandage, know that that's quite normal, and it just informs you that the healing has already begun. It's actually your white blood cells that have hurried to this place to do everything they can for

the wound to heal. They are summoning other cells, are sending out messengers, and are regulating blood circulation to make sure that more nutrients, more oxygen, and more energy

The signals your body sends from there translate into: Please don't touch too much,

please leave it be for a while and let <mark>healinc</mark> take place! And then they need not to be so loud any longer and can become more and more quiet because everything has already been done to support your healing **UKR**

And everything is well taken care of.

Intraoperative Suggestions

You will notice that any tension or anxiety would only enhance pain.
Therefore, it might be better for you to relax, especially the part of the body that has undergone surgery. Just let go.
It is quite normal to notice the area where surgery took place, and to feel sensations in the area

where your body is working hard to repair and put everything in order again. It's alright that all these signals and messages now become even fainter and softer and quieter. As soon as you have noticed them your attention can move to other things. Like dropping your car off in a repair shop and then going shopping or going for a walk

It is good to know that your body and your cells exactly know what to do, and how to do it best. Your attention is not even needed. You can turn your attention to something even more pleasant

and joylui.

While your body and your caregivers take good care of everything, you can recall the image of a comfortable and safe place, while looking forward and being curious to what you might experience there,

and from time to time, maybe hear and feel from afar.

that someone is working diligently on your reco

And what else will be happening after your operation was completed beautifully?

Step by step all of your body function will start again: Your blood pressure starts in full swing and your digestion.

You are producing saliva and you can swallow, and you can drink. Everything returns in the right direction, always top down, from the mouth to the stomach, and in the intestines and on and on, uniformly in one direction, straight ahead.



Intraoperative Suggestions

And comfort can expand more and more, all over

And you may ask yourself what you will want to eat first.
You can then send your blood circulation downwards to your intestines

who have rested in the meantime.

And with all the supply of energy and oxygen they gather pace again. You can swallow fluids again,

And notice the fluids flowing down the oesophagus into the stomach and the stomach transports them further into the intestines and in the intestines moving on, further and further,

consistently and continually in one direction, on and on.

And what else will be happening after your surgery is completed?

Oh yes, there were fears and worries. They were present for you to be careful and cautious, and to protect you.

Now they are needless and without value,

Because everything is being done already for your wellbeing, for your safety, and for your healing. Your recovery is already happening, all by itself, unstoppable.

our body is really good at this! You already know how to do it.

And we are by your side, and accompany you. You are safe now.



Intraoperative Suggestions

And one more thing for you to know, when the surgery is completed:

Since we supported your respiration for a long time you can now take over your own breathing again.

Then, it is time to sigh and you can breathe deeply and strongly,

can clear your airways and cough, cough away all the mucus You will notice your strength returning.

We are all confident, and you too can be confident, that you will be just fine after the surgery, that the medication to relief nausea and pain are very effective,

and that you will be comfo You will feel carefree and unaffected hours and days after the surgery You will feel calm, warm, relaxed and content.

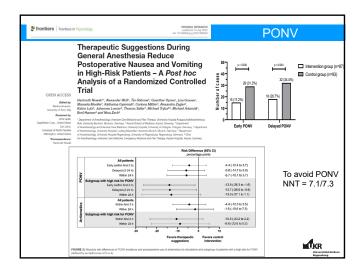
Whatever you experience will not disturb your wellbeing, rather lets you know that your body is working eagerly to repair, to put in place, to bring back into balance, and to normalize all functions.

iling can continue, growing steadily.

Perfect!



ORIGINAL RESEARCH **Intraoperative Suggestions** Effect of therapeutic 5 Zentren, 385 patients, 18-70a 1-3 h surgery defined, controlled depth of anesthesia suggestions during general anaesthesia ear-phones after Intubation til prior to extub 20min text with background music, 10min break, repeated on postoperative Defined pain therapy: pain and opioid use PCA, NRS>3, regular query p<0.001 nj | BMJ 2020;371:m4284 | doi: 10.1136/bmj.m4284 p<0.001 To avoid any postoperativ analgesics: NNT = 6.0 **U**KR



Effect Size 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 0.21 0.34* Nausea 0.60 0.89 0.42 0.25 0.07 Antiemetics 0.22 0.30* * with PONV prophylaxis

Link to audio file:

https://www.frontiersin.org/articles/10.3389/fpsyg.2022.898326/full#supplementarymaterial



Methods of Hypnotherapy Applicable

- indirect, permissive, open suggestions
- · utilisation
- dissociation (place, time, body part)
- · reframing
- specific suggestions (cold = analgesia, vasoconstriction)
- · pacing and leading
- double bind
- metaphors
- · posthypnotic suggestion
- · nonverbal communication



Specific Suggestions

To a patient with second degree burns:

"Now, while we are preparing for the transport to the hospital, I want you to close your eyes and imagine that — while I place same sterile gauze on your body — I am really packing the entire area in soft, clean snow. Remember what it is like to put your arm into a wall of very soft, very fresh, fallen snow? Notice how cool and comfortable each area is becoming as you see the snow being applied. Good."



Indirect Suggestions

- I know a guy, who ...
- Most patients do not belief me when I say: (after a break and then looking directly into the eyes)

"You can do it!"

For selective amnesia:

"It's such a common experience to forget the bad dreams in the morning."



Dissociation

Car accident, a man heavily traumatized, fractured leg

A) Tim, come here. This looks terrible. You better do not move before you end up paraplegic! Everything's fine. Just relax! I'll give you something so you don't feel anything anymore. This doesn't hurt. What have you done that this could happen?

B) I'm Dr. ..., we are here to help you. The worst is over. The ambulance is on the way. I can see that your leg needs attention. Why don't you just scan the rest of your body for me now to see that everything else is all right. How's your other leg? How do your arms feel? I'm sure there's some other place you'd rather be right now. Where is that? The beach? Okay, while your body is tending to the healing, you can allow your mind to go to your favorite beach, and you can begin to feel comfortable being in that place – right now.



Reftraming in Children

Parents watch their children playing and running.

A little girl falls down and bruises her knee.

Her Mother: "Oh no, now she will start screaming like hell!"

A man turns to the kid and says: "Let me see. What's the colour of your blood?"

The girl with tears in her eyes: "Red!"

"Red is good, this is the colour of strong, healthy blood. So this can heal fast."

The girl comes running to her mother and proudly presents her bleeding knee.



Double bind

- "Is it more comfortable for you with your arm on the side or on your body ?"
- "I wonder, if the bleeding will stop in 2, 3 or 4 minutes."
- "Let's find out how much relief this procedure will give you."
- "I don't know which way this feels better ..."



Giving back Control

"Susan, that unpleasant feeling that you experience is the way of your body to tell you there's something wrong. But that signal doesn't have to be so loud any more. When the fireman has arrived you can stop shouting "Fire!". While you tell us how we can help you best, you might start controlling the scale of the signal. Just imagine colored electric cables – like your nervous system - running from the hurting areas to a light bulb in the brain. And every cable has got a separate switch and a dimmer to regulate. Now start turning down the light. Go ahead!"



Sarah



Reaction





Dear Professor Hansen,

in December, I heard the BBC's Health Check podcast about your work playing calming words to patients under anaesthesia. I'm a British novelist, though translated into German among other languages, and the podcast made its way into the book I was writing at the time. ...
The book is set in the English Peak District during the strict lockdown, and a

The book is set in the English Peak District during the strict lockdown, and a recently-widowed older woman, entirely isolated because of recent cancer treatment, listens to the podcast and thinks about the scientific confirmation that bodies work better when we feel not only safe but accompanied by others. ...

Best wishes, Sarah Moss



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 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 reording, 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 v 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 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,

