

HALLUCINATIONS

Z. NICHOLAS ZAKOV, MD, FACS

RETINA ASSOCIATES OF CLEVELAND
and
CLIN. PROFESSOR OF OPHTHALMOLOGY
CASE SCHOOL OF MEDICINE
CLEVELAND, OHIO, USA

DEFINITION

- A HALLUCINATION IS A PERCEPTION IN THE ABSENCE OF APPARENT STIMULUS THAT HAS QUALITIES OF REAL PERCEPTION
- HALLUCINATIONS ARE VIVID, SUBSTANTIAL AND LOCATED IN EXTERNAL OBJECTIVE SPACE

DEFINITION

- THEY ARE NOT DREAMING, ILLUSIONS, IMAGERY, ETC
- HALLUCINATIONS CAN OCCUR IN ANY SENSORY MODALITY – VISUAL, AUDITORY, OLFATORY, GUSTATORY, TACTILE, PROPRIOCEPTIVE, EQUILIBRIOCEPTIVE, NOCICEPTIVE, THERMOCEPTIVE, AND

TYPES OF HALLUCINATIONS

SENSORY DEPRIVATION

- BRAIN NEEDS PERCEPTUAL CHANGE
- ISOLATION IN DARKNESS: “THE PRISONER’S CINEMA”
- PRISONERS, PILOTS, TRUCKERS, ETC

TYPES OF HALLUCINATIONS

SENSORY DEPRIVATION

- EXPERIMENTAL EVIDENCE
- “SENSORY DEPRIVATION TANKS” – “ALTERED STATES” – IN ALL SENSES
- SIMILARITY TO CBS
- SLEEP DEPRIVATION

TYPES OF HALLUCINATIONS

HALLUCINATORY SMELLS

TYPES OF HALLUCINATIONS

AUDITORY HALLUCINATIONS

- NOT ALWAYS ASSOCIATED WITH SCHIZOPHRENIA
- SEEN IN HEALTHY SUBJECTS – OFTEN FAMILIAL; USUALLY NORMAL SPEECH
- “INNER SPEECH” – OFTEN WITH STRESS
- “MUSICAL HALLUCINATIONS” IN THE COMPLETELY DEAF

TYPES OF HALLUCINATIONS

ALTERED STATES

- NARCOTICS
- LSD
- MESCAL, PEYOTE
- ALCOHOL
- “DELIRIUM TREMENS,” “DTs,” “SHAKING FRENZY”
- ANY OTHER OF A NUMBER OF PRESCRIPTION OR ILLEGAL DRUGS

TYPES OF HALLUCINATIONS

MISCELLANEOUS

- HALLUCINATIONS IN THE HALF-FIELD
- DELIRIUMS DUE TO FEVER AND OTHER CAUSES
- ON THE THRESHOLD OF SLEEP
 - ♦ HYPNAGOGIC
 - ♦ HYPNOPOMPIC
- DOPPELGANGERS: HALLUCINATING ONESELF
- NOCICEPTIVE “PHANTOM PAIN”