

**INDEX OF ANIMAL STUDIES USING
CRANIAL ELECTROTHERAPY STIMULATION (CES)**

Kirsch DL. The Science Behind Cranial Electrotherapy Stimulation, 2nd Edition, *Medical Scope Publishing*. 2002.

ANIMALS STUDIED	REFERENCE NUMBER
Cat	1, 28
Dog	6, 8, 12, 13,14
Horse	3, 5
Monkey	7, 15, 16, 17,19,20,26,29
Rabbit	21, 23, 24
Rat	2, 4, 9, 10, 11, 18, 22, 25, 27

PHYSIOLOGICAL MEASURE	REFERENCE NUMBER
B-endorphin:	9
Blood Pressure, Temperature, Respiration	8
Brain histology:	8, 17, 19, 21
Brain implanted electrodes:	1, 7, 20
Electrocardiogram (EKG):	3, 8, 15, 29
Electroencephalogram (EEG):	8, 20, 28
Electromyogram (EMG):	15, 26, 29
Electroretinogram:	8, 15
Evoked potentials:	15, 29
Gastric acidity:	15, 16, 26
Hematology:	8, 12
Metenkephalin:	9
Potential of morphine, fentanyl, alfentanil, and dextromoramide:	22
Synaptic vesicles:	17, 19

BEHAVIORIAL MEASURE OR OBSERVATION	REFERENCE NUMBER
Alcohol and drug withdrawal syndrome:	9, 24
Analgesic/ Anesthetic:	11, 18, 22, 25, 27
Epileptic activity:	23
Parkinson-like state:	14
Relaxation:	5
Reaction time:	3, 12, 22, 26
Sleep:	1, 2, 3, 6, 20, 21
INTRABRAIN ELECTRICAL PASSAGE	1, 7
SAFETY	5, 8, 10, 17, 20,
FOCUS OF CES MEASUREMENT	
Basil ganglia:	13
Brainstem:	20, 24
Caudate nucleus, Septum, Striate cortex	8
Hypothalamus:	1
Limbic system:	16
Motor Cortex:	7
Subcortex:	6, 24
Thalamus:	7, 20