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## Spreading Depression Experimental Brain Research Series

**the use of cortical spreading depression for studying the ...** - the use of cortical spreading depression for studying the brain actions of antioxidants ... advances obtained in experimental studies from our laboratory and from others, showing how to ... **clinical relevance of cortical spreading depression in ...** - cortical spreading depression (csd) and depolarization waves are associated with dramatic failure ... of experimental findings from animal studies of csd obtained during decades we suggest treatment ... spreading depolarization waves in human brain cortex m lauritzen et al 18 journal of cerebral blood flow & metabolism (2011) 31, 17-35. **potential treatments against cortical spreading depression ...** - "potential treatments against cortical spreading depression to prevent ... experimental substrate combinations post csd induction, while the control group will not receive any ... cortical spreading depressions for secondary brain damage after traumatic brain injury in mice. retrieved january 07, 2017, from **cortical spreading depression: an enigma** - cal spreading depression is characterized by massive changes in ionic concentrations and slow nonlinear chemical waves, with speeds on the order of mm/min, in the cortex of different brain structures in various experimental animals. **minimum conditions for the induction of cortical spreading ...** - minimum conditions for the induction of cortical spreading depression in brain slices yujie t. tang,<sup>1</sup> jorge m. mendez,<sup>2</sup> jeremy j. theriot, ... experimental setup is shown in fig. 1. the device, described in detail in our prior work (tang et al. 2011), includes embedded microchan- **cortical spreading depression: an enigma** - cortical spreading depression: an enigma robert m. miura<sup>1,a</sup>, huaxiong huang<sup>2,b</sup>, ... of neurons, glial cells, and blood vessels. there exists an enormous experimental and theoretical literature on the mechanisms involved in the functioning of the brain, but we still do not have a good understanding of how it works on a gross ... brain and in ... **cortical spreading depression as a target for anti ...** - cortical spreading depression as a target for anti-migraine agents cinzia costa<sup>1,3</sup> ... and paola sarchielli<sup>1\*</sup> abstract spreading depression (sd) is a slowly propagating wave of neuronal and glial depolarization lasting a few minutes, that can develop within the cerebral cortex or other brain areas after electrical, mechanical or chemical ... **preliminary evidence that ketamine inhibits spreading ...** - experimental evidence suggests that only the fraction of sds in normal or mildly ... (nmda) receptor in cortical spreading depression in the rat. brain res. 1988;457:226-240. 3. ijima t, mies g, hossmann ka. repeated negative dc deflections in rat cortex following middle cerebral artery occlusion are abolished by **spreading depression and evoked potentials recorded in the ...** - cortical spreading depression, migraine, aura, ischemia, ischemic brain tissue accepted nov 30, 2010 \*corresponding author. e-mail: toldi@bio.u-szeged 161 cortical spreading depression (csd), discovered by leao in 1944, is a transient negative direct current (dc) potential shift that slowly propagates throughout the cortex irrespective **role of magnesium in the pathogenesis and treatment of ...** - promoting cortical spreading depression (csd), alteration of neurotransmitter release and the ... has demonstrated low magnesium in the brain during attacks and interictally in some patients [38]. another study which utilized ... role of magnesium in the pathogenesis & treatment of migraine review magnesium. **functional decortication by cortical spreading depression ...** - intact brain rats refused to swallow saccharin during forced ... fore the first experimental session and were then maintained on a 24-hr, water deprivation schedule, with the fluids available only in the drinking box ... [cortical spreading depression] group [n = 10]; w **brain sci. 2013 open access brain sciences - mdpi** - spreading depression results in depolarization of central glia, disrupt axonal ionic homeostasis, injure axonal mitochondria and allow the onset of axonal degeneration throughout an increasing volume of brain tissue; and contribute toward post-traumatic continued loss of white matter. **induction of spreading depression in the ischemic ...** - induction of spreading depression in the ischemic hemisphere following experimental middle cerebral artery occlusion: effect on infarct morphology tobias back, myron d. ginsberg, w. dalton dietrich, and brant d. watson cerebral vascular disease research center, department of neurology, university of miami school of medicine, miami, florida, u,s,a. **the pennsylvania state university the graduate school ...** - the pennsylvania state university the graduate school improving models for control of seizures and spreading depression a dissertation in engineering science and mechanics by yina wei c 2013 yina wei ... experimental data. i then extended this model to include the dynamics of chlo-

love among artists shaw george bernard ,love making wilson robley conant country print ,love music cosas atrever%<sup>c3</sup>%adas decir otra ,love grandpa coupons sourcebooks staff incorporated ,love lake lisa anders createspace independent ,love life nature story evolution love bolsche ,loues soient seigneurs education politique french ,love another life legacies larry kramer ,louis beloved life xv olivier bernier ,love transformation ovid reader english latin ,love song sawyer bell tour dates ,love mckuen rod random house ,love greatest thing world revisiting henry ,love learning desire god study monastic ,love mrs j b livingston quality ,louisburg square cutler robert new york ,louieville man town cedarville california vermilion ,louis c tiffanys art glass koch ,love four colonels play three acts ,love marriage making closest relationship work ,love hate hungry collection cartoons bruce ,love baby gerdes m newell b56 ,lourdes objawienia cuda noweny wydawnictwo diecezjalne ,love best medicine what two dogs ,love letters nile randolph mary knickerbocker ,love proper stranger novel arnold schulman ,love leopard ayer ethan house falmouth ,love last fast food society build ,love rose

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