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Transdermal transport of India ink by electromagnetic electroporation in Guinea pigs: an ultrastructural study. *Ultrastruct Pathol*; 2006 Jan-Feb;30(1):65-74
PMID: 16517472

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1. Transdermal transport of India ink by electromagnetic electroporation in Guinea pigs: an ultrastructural study.

Ortega VV, Mart nez AF, Gasc n JY, S nchez NA, Ba os MA, Rubiales FC:
Ultrastruct Pathol; 2006 Jan-Feb;30(1):65-74

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2. The use of India ink in tissue-simulating phantoms.

Di Ninni P, Martelli F, Zaccanti G:
Opt Express; 2010 Dec 20;18(26):26854-65

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3. Local temperature rises influence in vivo electroporation pore development: a numerical stratum corneum lipid phase transition model.

Becker SM, Kuznetsov AV:
J Biomech Eng; 2007 Oct;129(5):712-21

[Abstract](#) | [More from the authors](#) | [Email](#) smbecker@unity.ncsu.edu | [Citation export](#)

4. Electroporation: an avenue for transdermal drug delivery.

Charoo NA, Rahman Z, Repka MA, Murthy SN:
Curr Drug Deliv; 2010 Apr;7(2):125-36

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5. Electroporation of polymeric nanoparticles: an alternative technique for transdermal delivery of insulin.

Rastogi R, Anand S, Koul V:
Drug Dev Ind Pharm; 2010 Nov;36(11):1303-11

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6. Lipid and electroosmosis enhanced transdermal delivery of insulin by electroporation.

Murthy SN, Zhao YL, Marlan K, Hui SW, Kazim AL, Sen A:
J Pharm Sci; 2006 Sep;95(9):2041-50

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7. Transdermal delivery of naltrexol and skin permeability lifetime after microneedle treatment in hairless guinea pigs.

Banks SL, Pinninti RR, Gill HS, Paudel KS, Crooks PA, Brogden NK, Prausnitz MR, Stinchcomb AL:

J Pharm Sci; 2010 Jul;99(7):3072-80

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8. Use of electroporation and reverse iontophoresis for extraction of transdermal multibiomarkers.

Ching CT, Fu LS, Sun TP, Hsu TH, Chang KM:
Int J Nanomedicine; 2012;7:885-94

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9. Chlamydiales in guinea-pigs and their zoonotic potential.

Lutz-Wohlgroth L, Becker A, Brugnera E, Huat ZL, Zimmermann D, Grimm F, Haessig M, Greub G, Kaps S, Spiess B, Pospischil A, Vaughan L:

J Vet Med A Physiol Pathol Clin Med; 2006 May;53(4):185-93

[Abstract](#) | [2 citers](#) | [More from the authors](#) | [Email](#) lwohlgroth@access.unizh.ch | [Citation export](#)

10. Small-dose India ink tattooing for preoperative localization of colorectal tumor.

Hwang MR, Sohn DK, Park JW, Kim BC, Hong CW, Han KS, Chang HJ, Oh JH:

J Laparoendosc Adv Surg Tech A; 2010 Nov;20(9):731-4

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11. Electroporation-induced inward current in voltage-clamped guinea pig ventricular myocytes.

Dyachok O, Zhabyeyev P, McDonald TF:

J Membr Biol; 2010 Dec;238(1-3):69-80

[Abstract](#) | [More from the authors](#) | [Citation export](#)

12. Theoretical considerations of tissue electroporation with high-frequency bipolar pulses.

Arena CB, Sano MB, Rylander MN, Davalos RV:

IEEE Trans Biomed Eng; 2011 May;58(5):1474-82

[Abstract](#) | [More from the authors](#) | [Email](#) carena@vt.edu | [Citation export](#)

13. Effects of 900-MHz electromagnetic field emitted from cellular phone on brain oxidative stress and some vitamin levels of guinea pigs.

Meral I, Mert H, Mert N, Deger Y, Yoruk I, Yetkin A, Keskin S:

Brain Res; 2007 Sep 12;1169:120-4

[Abstract](#) | [2 citers](#) | [More from the authors](#) | [Email](#) imeral20@hotmail.com | [Citation export](#)

14. Experimental evidence of improved transthoracic defibrillation with electroporation-enhancing pulses.

Malkin RA, Guan D, Wikswo JP:

IEEE Trans Biomed Eng; 2006 Oct;53(10):1901-10

[Abstract](#) | [2 citers](#) | [More from the authors](#) | [Email](#) robert.malkin@duke.edu | [Citation export](#)

15. Electroporation as an efficient physical enhancer for skin drug delivery.

Escobar-Chávez JJ, Bonilla-Martínez D, Villegas-González MA, Revilla-Vázquez AL:

J Clin Pharmacol; 2009 Nov;49(11):1262-83

[Abstract](#) | [More from the authors](#) | [Email](#) josejuanescochavez@gmail.com | [Citation export](#)

16. Mechanistic analysis of electroporation-induced cellular uptake of macromolecules.

Zaharoff DA, Henshaw JW, Mossop B, Yuan F:

Exp Biol Med (Maywood); 2008 Jan;233(1):94-105

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17. [Histologic demonstration of adrenal macrophages as a member of mononuclear phagocytic system in guinea pig models].

Ozbek A, Ozbek E:

Mikrobiyol Bul; 2006 Oct;40(4):325-32

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18. Effect of pulsed electromagnetic field stimulation on knee cartilage, subchondral

and epyphiseal trabecular bone of aged Dunkin Hartley guinea pigs.

Fini M, Torricelli P, Giavaresi G, Aldini NN, Cavani F, Setti S, Nicolini A, Carpi A, Giardino R:

Biomed Pharmacother; 2008 Dec;62(10):709-15

[Abstract](#) | [More from the authors](#) | [Email](#) milena.fini@ior.it | [Citation export](#)

19. Clinical electron paramagnetic resonance (EPR) oximetry using India ink.

Williams BB, Khan N, Zaki B, Hartford A, Ernstoff MS, Swartz HM:

Adv Exp Med Biol; 2010;662:149-56

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20. In vivo evaluation of a transdermal codrug of 6-beta-naltrexol linked to hydroxybupropion in hairless guinea pigs.

Kiptoo PK, Paudel KS, Hammell DC, Hamad MO, Crooks PA, Stinchcomb AL:

Eur J Pharm Sci; 2008 Apr 23;33(4-5):371-9

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1. Use of electroporation and reverse iontophoresis for extraction of transdermal multibiomarkers.

Ching CT, Fu LS, Sun TP, Hsu TH, Chang KM:

Int J Nanomedicine; 2012;7:885-94

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2. Targeted electroporation of defined lateral ventricular walls: a novel and rapid method to study fate specification during postnatal forebrain neurogenesis.

Fernández ME, Croce S, Boutin C, Cremer H, Raineteau O:

Neural Dev; 2011;6:13

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3. Electroporation-induced electrosensitization.

Pakhomova ON, Gregory BW, Khorokhorina VA, Bowman AM, Xiao S, Pakhomov AG:

PLoS One; 2011;6(2):e17100

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4. Electroporation increases antitumoral efficacy of the bcl-2 antisense G3139 and chemotherapy in a human melanoma xenograft.

Spugnini EP, Biroccio A, De Mori R, Scarsella M, D'Angelo C, Baldi A, Leonetti C:

J Transl Med; 2011;9:125

[Free fulltext](#) | [Abstract](#) | [More from the authors](#) | [Email](#) spugnini.vet@tiscali.it | [Citation export](#)

5. Systematic analysis of transrectal prostate biopsies using an ink method and

specific histopathologic protocol: a prospective study.

Parada D, Calvo N, Peñã K, Morente V, Queralt R, Hernandez P, Riu F:
Prostate Cancer; 2011;2011:380249

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6. A parametric study delineating irreversible electroporation from thermal damage based on a minimally invasive intracranial procedure.

Garcia PA, Rossmeisl JH Jr, Neal RE 2nd, Ellis TL, Davalos RV:
Biomed Eng Online; 2011;10:34

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7. [Therapeutic effect of photodynamic treatment for psoriasis vulgaris in guinea pigs].

Xie GH, Li KY, Liu HW, Duan SJ:
Nan Fang Yi Ke Da Xue Xue Bao; 2011 May;31(5):844-8

[Free fulltext](#) | [Abstract](#) | [More from the authors](#) | [Email](#) xgh1398@163.com | [Citation export](#)

8. Treatment outcome of Paederus dermatitis due to rove beetles (Coleoptera: Staphylinidae) on guinea pigs.

Fakoorziba MR, Eghbal F, Azizi K, Moemenbellah-Fard MD:
Trop Biomed; 2011 Aug;28(2):418-24

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9. The effects of irreversible electroporation (IRE) on nerves.

Li W, Fan Q, Ji Z, Qiu X, Li Z:
PLoS One; 2011;6(4):e18831

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10. High doses of ketamine-xylazine anesthesia reduce cardiac ischemia-reperfusion injury in guinea pigs.

Sloan RC, Rosenbaum M, O'Rourke D, Oppelt K, Frasier CR, Waston CA, Allan AG, Brown DA:
J Am Assoc Lab Anim Sci; 2011 May;50(3):349-54

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11. Cisplatin effects on guinea pigs: cochlear histology and genotoxicity.

de Franceschi CM, Tochetto T, da Silveira AF, Fantinel MR, Algarve TD:
Braz J Otorhinolaryngol; 2011 Nov-Dec;77(6):728-35

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12. Effects of in ovo electroporation on endogenous gene expression: genome-wide analysis.

Farley EK, Gale E, Chambers D, Li M:
Neural Dev; 2011;6:17

[Free fulltext](#) | [Abstract](#) | [More from the authors](#) | [Email](#) e.farley07@csc.mrc.ac.uk | [Citation export](#)

13. A theoretical analysis of the feasibility of a singularity-induced micro-electroporation system.

Troszak GD, Rubinsky B:
PLoS One; 2011;6(4):e18523

[Free fulltext](#) | [Abstract](#) | [More from the authors](#) | [Email](#) gdtroszak@berkeley.edu | [Citation export](#)

14. Location of intra- and extracellular *M. tuberculosis* populations in lungs of mice and guinea pigs during disease progression and after drug treatment.

Hoff DR, Ryan GJ, Driver ER, Ssemakulu CC, De Groot MA, Basaraba RJ, Lenaerts AJ:

PLoS One; 2011;6(3):e17550

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15. Antitubercular effect of 8-[(4-Chloro phenyl) sulfonyl]-7-Hydroxy-4-Methyl-2H-chromen-2-One in guinea pigs.

Patel PB, Patel TK, Baxi SN, Acharya HR, Tripathi C:

J Pharmacol Pharmacother; 2011 Oct;2(4):253-60

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16. Second Harmonic Generation for time-resolved monitoring of membrane pore dynamics subserving electroporation of neurons.

Zalvidea D, Claverol-Tintur  E:

Biomed Opt Express; 2011;2(2):305-14

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17. Optimization of a 96-Well Electroporation Assay for Postnatal Rat CNS Neurons Suitable for Cost-Effective Medium-Throughput Screening of Genes that Promote Neurite Outgrowth.

Hutson TH, Buchser WJ, Bixby JL, Lemmon VP, Moon LD:

Front Mol Neurosci; 2011;4:55

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18. A DNA vaccine for venezuelan equine encephalitis virus delivered by intramuscular electroporation elicits high levels of neutralizing antibodies in multiple animal models and provides protective immunity to mice and nonhuman primates.

Dupuy LC, Richards MJ, Ellefsen B, Chau L, Luxembourg A, Hannaman D, Livingston BD, Schmaljohn CS:

Clin Vaccine Immunol; 2011 May;18(5):707-16

[Free fulltext](#) | [Abstract](#) | [More from the authors](#) | [Email](#) connie.schmaljohn@amedd.army.mil | [Citation export](#)

19. Mouse in utero electroporation: controlled spatiotemporal gene transfection.

Matsui A, Yoshida AC, Kubota M, Ogawa M, Shimogori T:

J Vis Exp; 2011;(54)

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20. Development of karanja oil based offset printing ink in comparison with linseed oil.

Bhattacharjee M, Roy AS, Ghosh S, Dey M:

J Oleo Sci; 2011;60(1):19-24

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