Selected HPR Pain Publications & presentations (out of the overall HPR list on CNS & Pain)

(from 1987 – Q4/2020)


30. Schaffler K., Overcoming the challenges associated with pain measurement and treatment (presentation), (+ breakfast workshop: Reviewing the value of models and biomarkers in early development to assess pain), IIR Conference: Leveraging CNS Product Development, Amsterdam 31.3.-1.4. 2004
31. Schaffler K., Reitmeir P., Analgesic effects of low-dose intravenous orphenadrine in the state of capsaicin hyperalgesia. A randomised, placebo-controlled, double-blind cross-over study using laser somatosensory evoked potentials (LSEPs) obtained from capsaicin-irritated skin in healthy volunteers, Drug Res. 54, No 10, 673-679, 2004
32. Seibel K., Schaffler K., Reeh P., Reitmeir P., Comparison of two different preparations of ibuprofen with regard to the time course of their analgesic effect – using laser somatosensory evoked potentials from UV-irritated skin in healthy volunteers, Drug Res. 54, No.8, 444-451, 2004
33. Klaus Schaffler, Peter Reitmeir, Andrea Gschanes, Udo Eggenreich, Comparison of the analgesic effects of NEODOLPASSE® with its compounds diclofenac and orphenadrine, a placebo-controlled study using Laser-induced somatosensory evoked potentials from human skin in the state of capsaicin hyperalgesia, Drugs R D, 6 (4): 189-199, 2005


Contd. Below (compound list investigated with Laser-EPs at HPR)
List of compound examples (partially non-published) - done with Laser algesimetry:

**Used Models:**

Laser (Somatosensory) Evoked Potentials (LEPs) were done in normal as well as in capsaicin-irritated and UVB-irradiated (hyperalgesic) skin.

1. Acetaminophen / Paracetamol oral
2. Alcohol i.v. and oral
3. 5-HT3-Antagonist oral
4. ASA systemical and topical
5. B1-antagonist (oral + topical)
6. Benzoxazine oral
7. Ca-channel blockers/modulators (N- and T-type)
8. Codeine oral
9. CB1/2 partial agonist oral
10. CB1 agonist i.v.
11. Clonixin lysinate oral
12. CM40907/ Lodaxaprine AE oral (pyridazine derivative)
13. Desketoprofen trometamol oral
14. Diclofenac i.v.
15. diverse selective COX2-Inhibitors (oral + i.v.): Celecoxib, Rofecoxib, Parecoxib, Valdecoxib, Etoricoxib
16. diverse galenic (tracemic) Ibuprofen preparations and S(+)-enantiomer oral
17. diverse local anaesthetic drugs/LAs (lozenges, gels and lotions): Lidocaine, Dimethindene
18. diverse H1-antagonists (oral + i.v. + topical): Diphenhydramine, dimethindene, orphenadrine, exp. ReN1869
19. Dipyron / Metamizole i.v.
20. DMSO topical
21. Duloxetine oral
22. EP4 antagonist oral
23. Ethanol see above (alcohol)
24. Ethmozamin oral
25. Ethoxy-Benzoic Acid (EBA) solution oral
26. Etifoxine oral
27. Eugenol solution oral
28. FAAH inhibitor oral
29. Flupirtine oral
30. Gabapentin oral
31. Granisetron (oral)
32. Ibuprofen oral
33. Kappa-Agonist exp. (oral + i.v.)
34. Karrayn oral
35. Ketorolac oral
36. Lacosamide oral
37. Lidocaine (topical: at skin and oral cavity)
38. Lithium oral
39. Megrohamate oral
40. Metamizole / Dipyron i.v.
41. Morphine IR oral
42. Naproxen oral
43. Nefopam oral
44. N-type CCA Z160 oral
45. N-type CCA ASP9226 oral
46. Neurin compound oral
47. NK1-antagonist (topical)
48. Orphenadrine i.v.
49. Oxycodon IR oral
50. Paracetamol / Acetaminophen oral
51. Pentazocine oral+i.v.
52. Pregabalin oral
53. Proteolytic enzymes oral
54. Propofol i.v.
55. Reboxetine oral
56. Remifentanil i.v.
57. Tapentadol oral
58. Tramadol, oral and i.v.
59. T-type CCA (Z944) oral
60. TRPV1 antagonist oral