

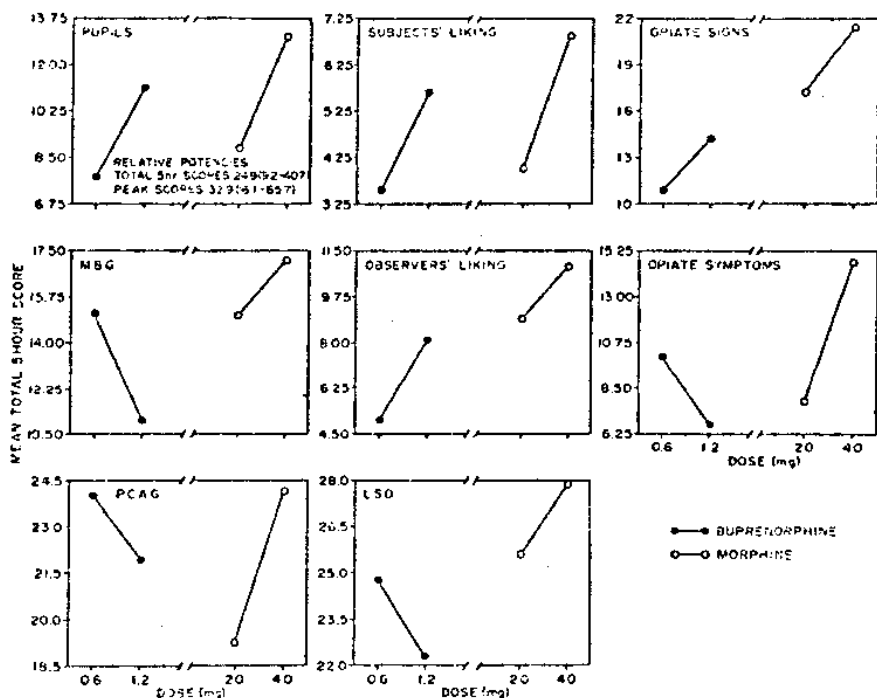


Figure 12. Dose response curves for the comparison of buprenorphine, morphine and placebo utilizing total 5 hour scores. Relative potencies expressed as mg or morphine equivalent to 1 mg of buprenorphine.

In the third single dose study buprenorphine, 1.0 mg; morphine, 30 mg; methadone, 30 mg; and placebo were administered intramuscularly at weekly intervals to 14 subjects utilizing a randomized crossover double blind design. Observations were made at 0.5, 1, 2, 3, 4, 5, 6, 12, 24, 30, 36, 48, 54, 60 and 72 hours after drug administration. Morphine produced significant miosis through the first 24 hours of drug administration (Fig. 13). Buprenorphine and methadone, however, produced persistent miosis which lasted through the observation at 72 hours (Fig. 13). Morphine produced subjective effects lasting through the second day while buprenorphine and methadone produced some degree of subjective effects which lasted at least 72 hours (Fig. 13 and 14). All three drug conditions