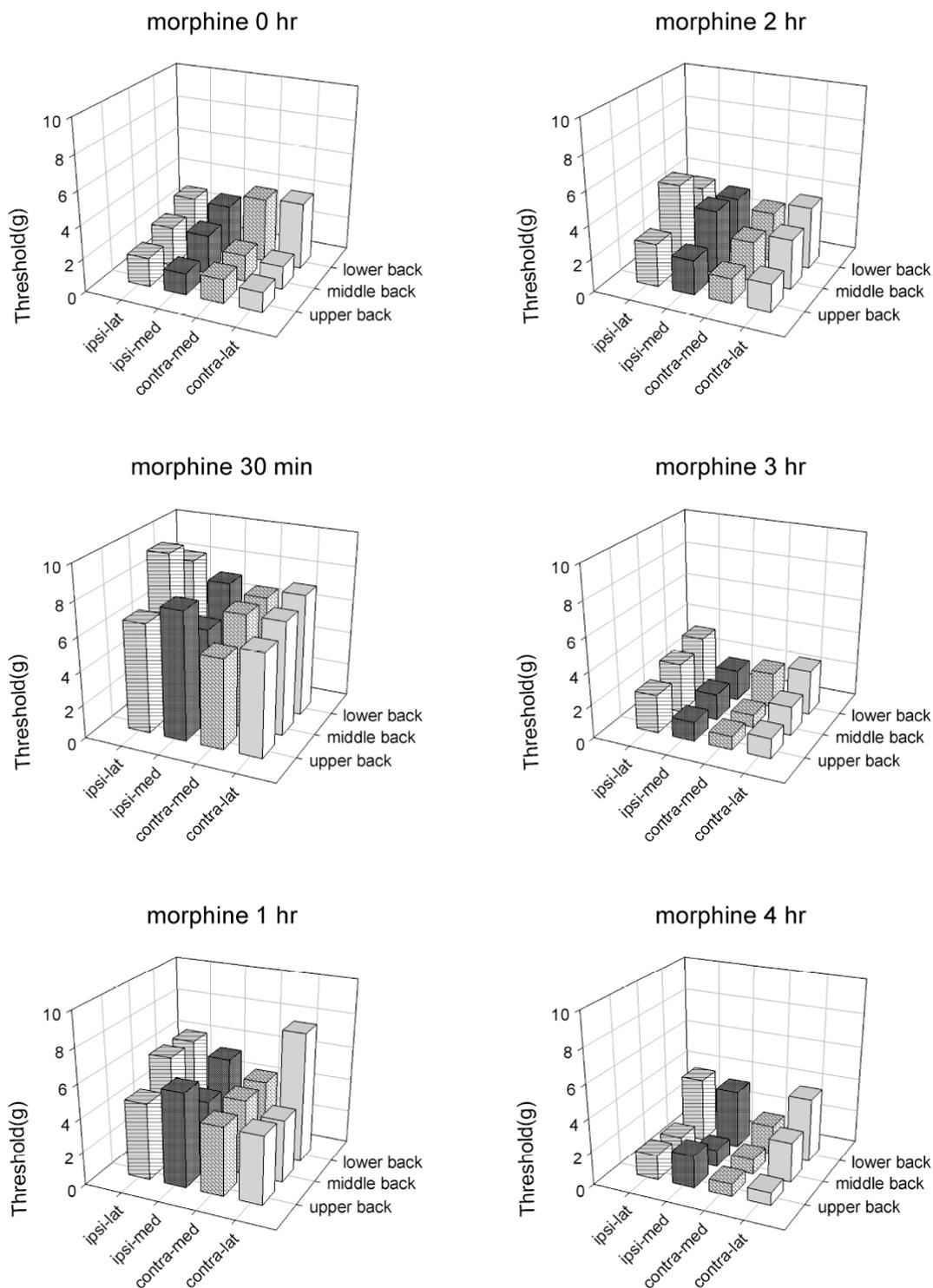
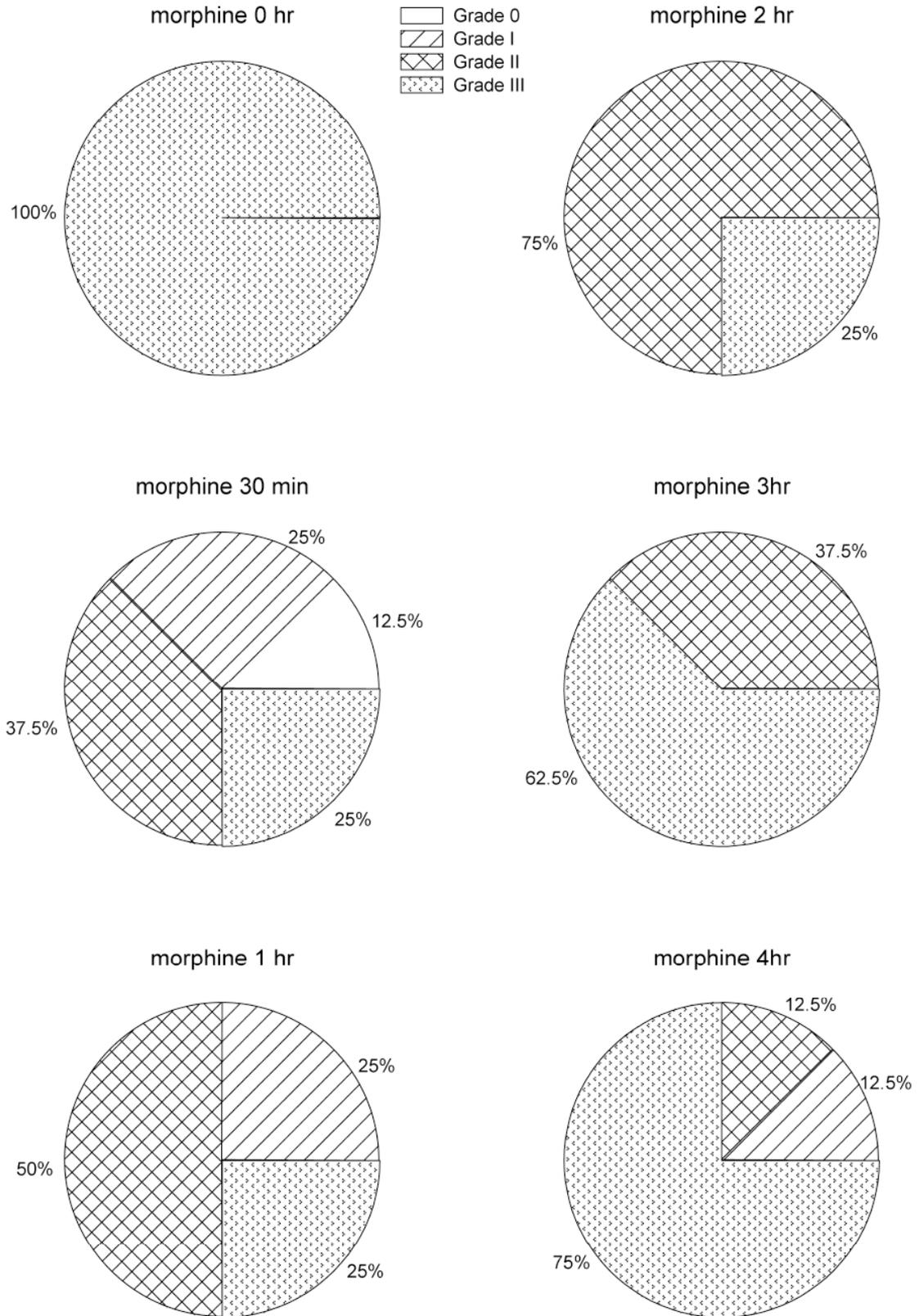


Supplementary Material



Supplemental Fig. (1). Anatomical distribution of thresholds for tactile stimulation over the 4hr after morphine injection. At the time of maximum relief, 0.5 h after morphine, the pattern is close to that of the pre-operative thresholds (see Figure 3), although the actual levels are lower. (n=8).



Supplemental Fig. (2). Changes in the distribution of Grades in the QHP during the relief of hypersensitivity by morphine in rats made hypersensitive by thoracotomy. At the time of maximum elevation of the average threshold, 30 min after morphine, the fraction of rats with Grade III had fallen to 25%, from 100% before morphine, and 12.5% of the rats (1/8) had no response to stimulation. During the subsequent 1.5 h recovery from morphine's action, the Grade III fraction remained constant while those showing Grade II increased. At 4h after morphine, when the average threshold was close to that of the pre-injection value (see Fig. 6A), only 75% of the rats had returned to the Grade III behavior they exhibited before the drug. (n=8).