

**Figure 7**

Intraperitoneal application of Methylphenidate – Ventral Striatum. Dopamine (DA) fibre density + S.E.M. is presented in the nucleus accumbens (NAc) shell, core and olfactory tubercle. I.p. MPH only had an effect in control animals, and only the lower, clinical dose (= saline-MPH 5) was effective in reducing the DA innervation density in both subterritories of the NAc. The DA innervation was unaltered by the higher dose of MPH (= saline-MPH 50), and even significantly denser than after treatment with the clinical dose in the NAc core. For abbreviations, see fig. 4. Biostatistics: Two-way ANOVA with repeated measures; significance values: * $p < 0,05$, ** $p < 0,01$.