**Supplemental Figure 1.** Flow diagram of the study.

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**Supplemental Figure 2.** Distribution of age, weight and sex in children aged between 1 to 24 months (AG1), from 24 months to 6 years (AG2) and over 6 to 11 years (AG3).

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**Supplemental Figure 3.** Individual concentration-time curves after intranasal 2-3 µg⋅kg-1 dosing of dexmedetomidine as nasal spray in children aged 0-2 y, 2-6 y and 6-11 y.

