

FIG. 1 Change in PEC score from baseline in elderly dementia patients until 8 hours post-dose

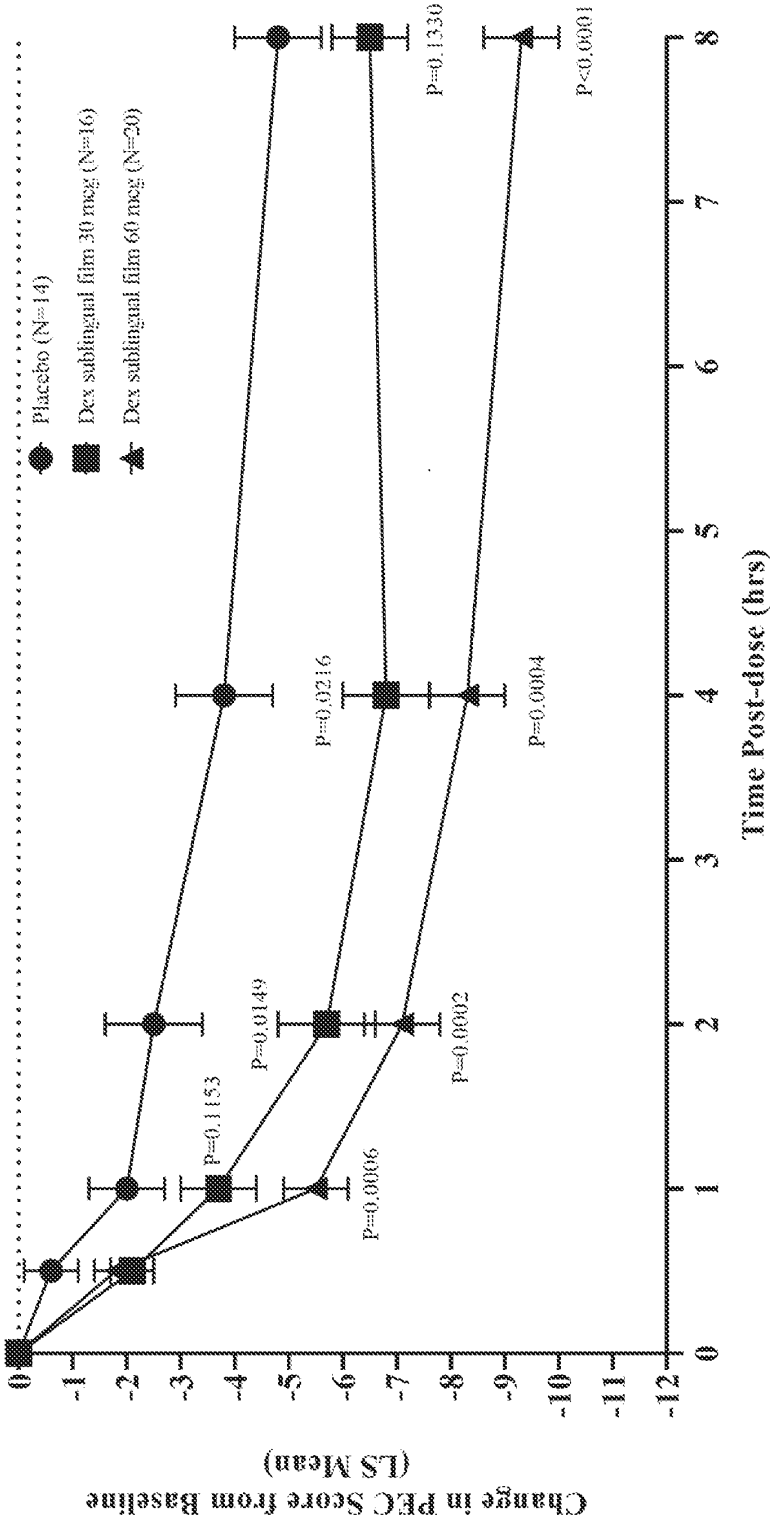
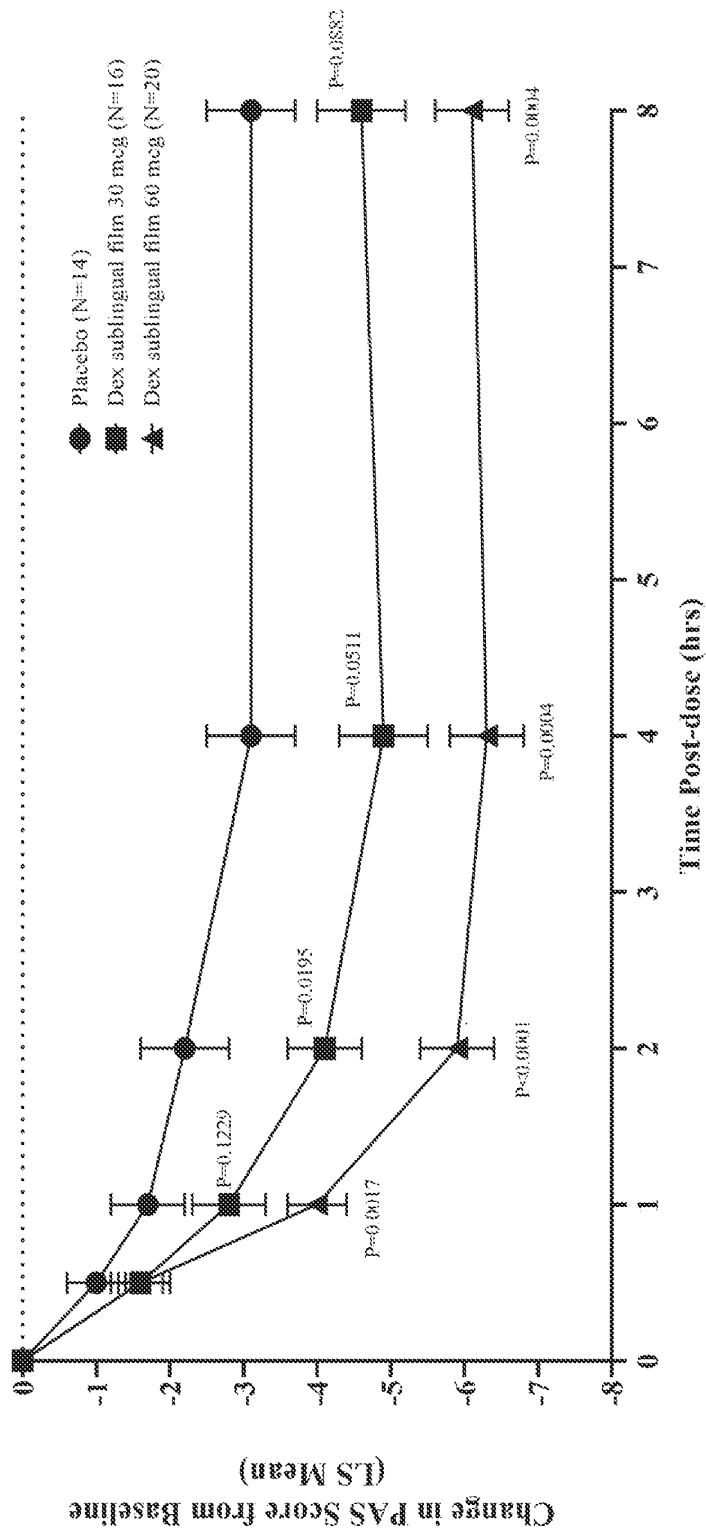


FIG. 2 Change in PAS score from baseline in elderly dementia patients until 8 hours post-dose



P values at 0.5 hrs are 0.3162 for Dex 30 mcg and 0.2631 for Dex 60 mcg

Dex = dexmedetomidine; PAS = Pittsburgh Agitation Scale

FIG. 3 Change in Mod-CMAI score from baseline in elderly dementia patients at 2 hours post-dose

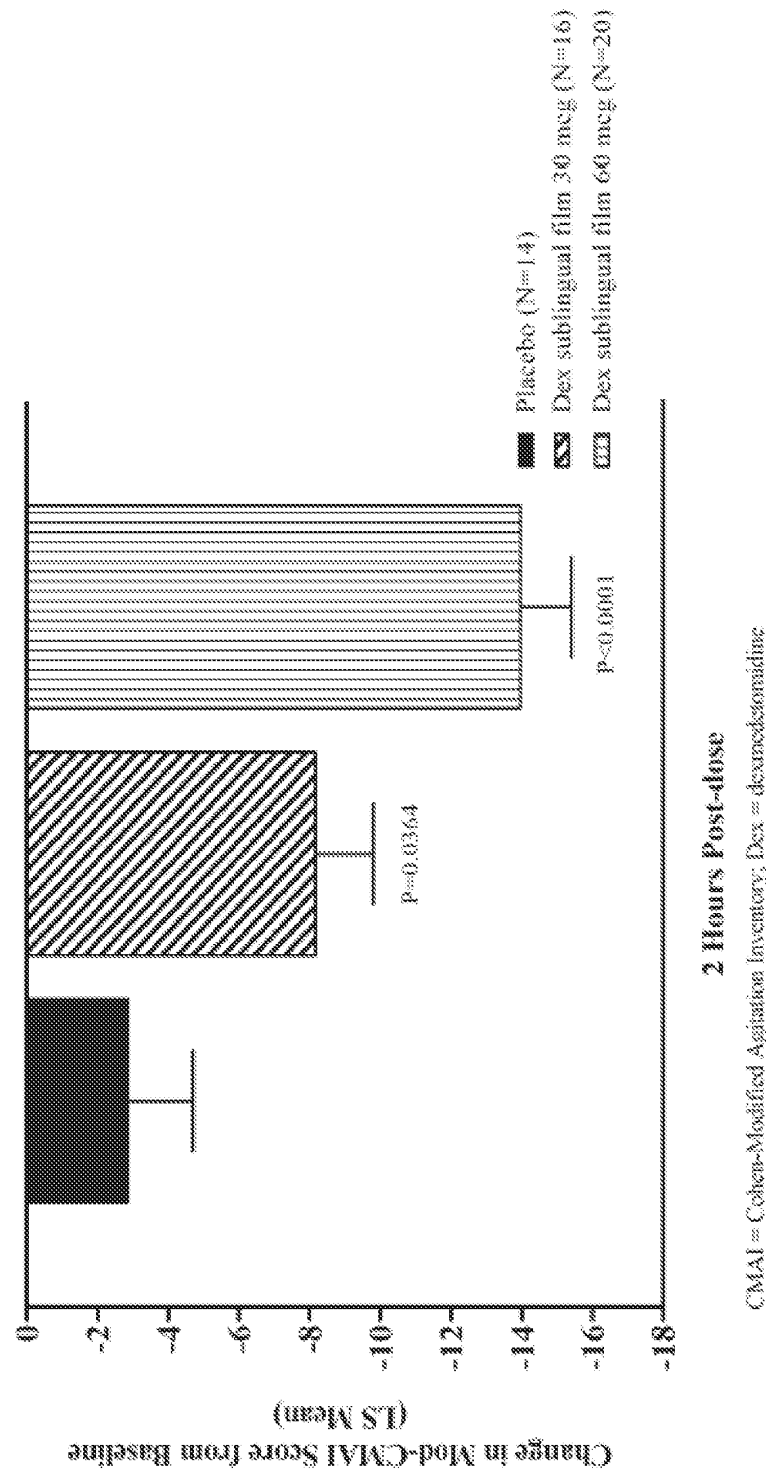
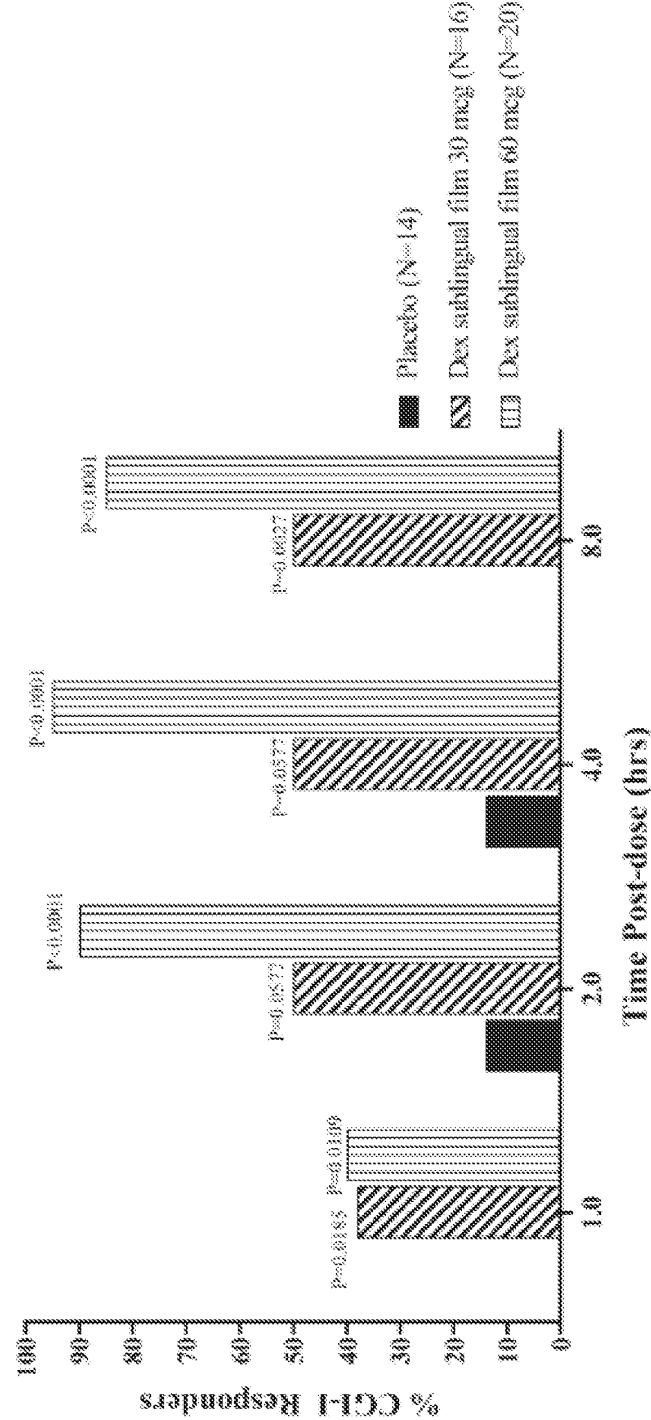
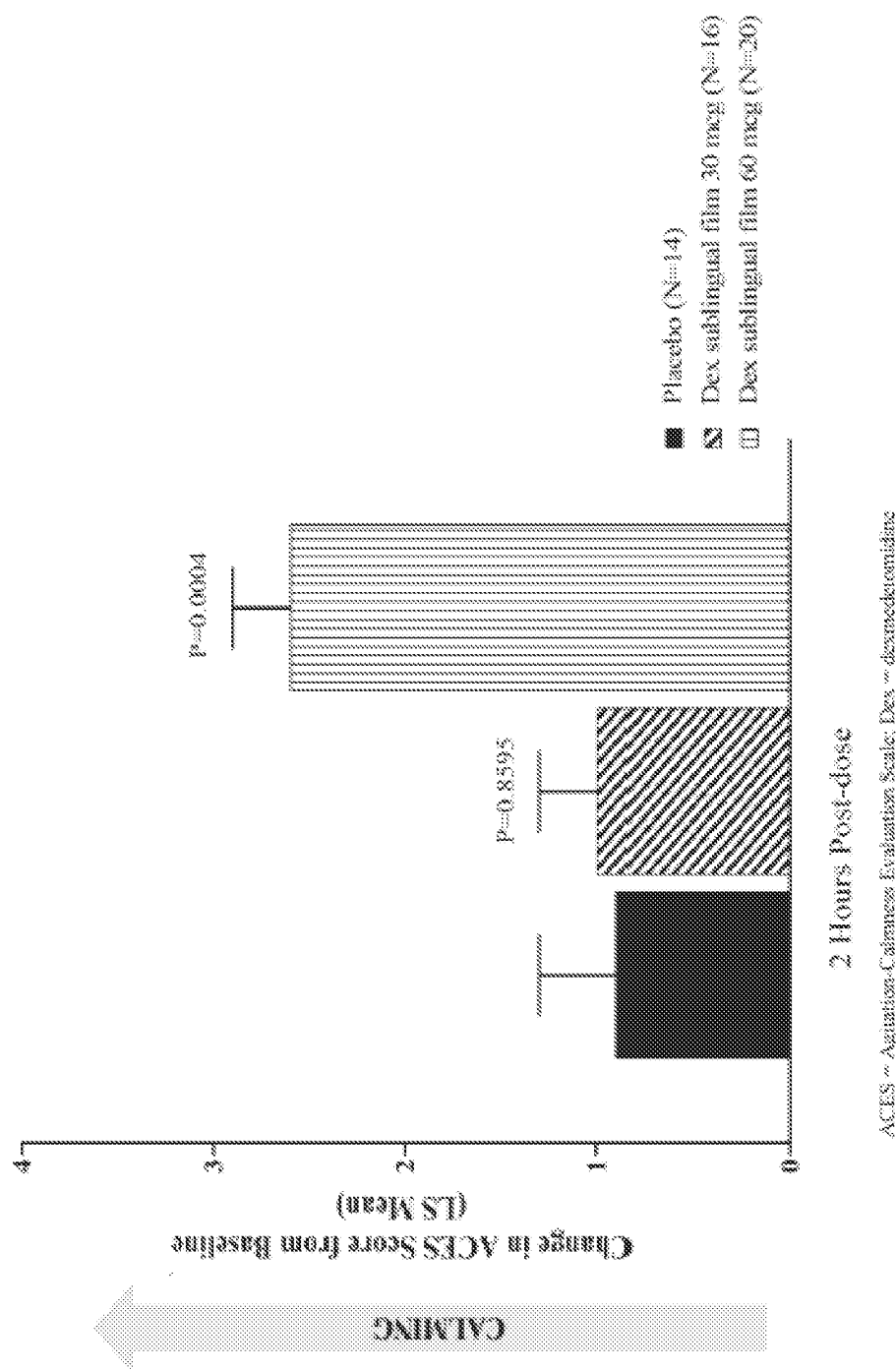


FIG. 4 Percent response in elderly dementia patients at 1, 2, 4 and 8 hours post-dose as measured by CGI.



No placebo responders (0%) at 1 hour post-dose and at 8 hours post-dose
Dex = dexmedetomidine
The Clinical Global Impression-Improvement (CGI-I) Scale is a 7-point scale. Ratings of (1) Very Much, or (2) Much Improved were considered Responders.

FIG. 5 Calming improvement in elderly dementia patients at 2 hours post-dose as measured by ACES.



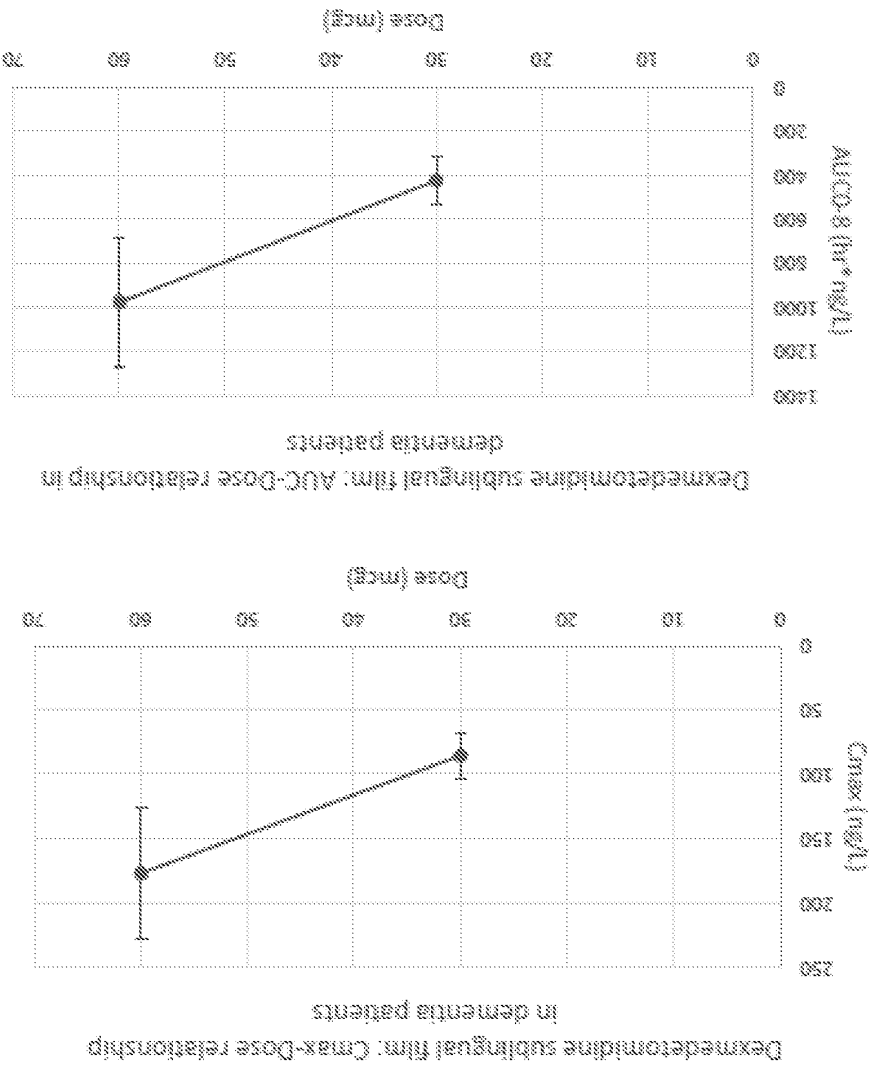


FIG. 6

FIG. 7 Reduced acute opioid withdrawal symptoms compared to placebo as measured by the COWS after administration of dexmedetomidine sublingual film 120 mcg, 180 µg and 240 µg BID according to Example 5.

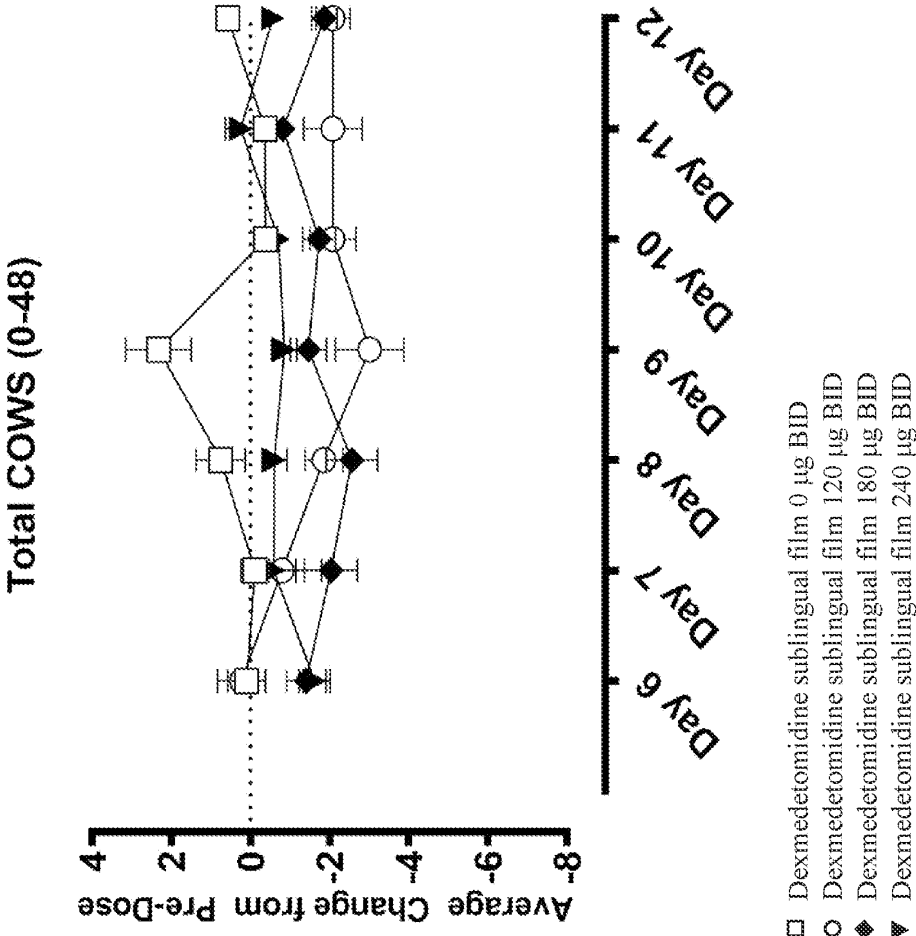


FIG. 8 Reduced acute opioid withdrawal symptoms compared to placebo as measured by the SOWS after administration of dexmedetomidine sublingual film 120 µg, 180 µg and 240 µg BID according to Example 5.

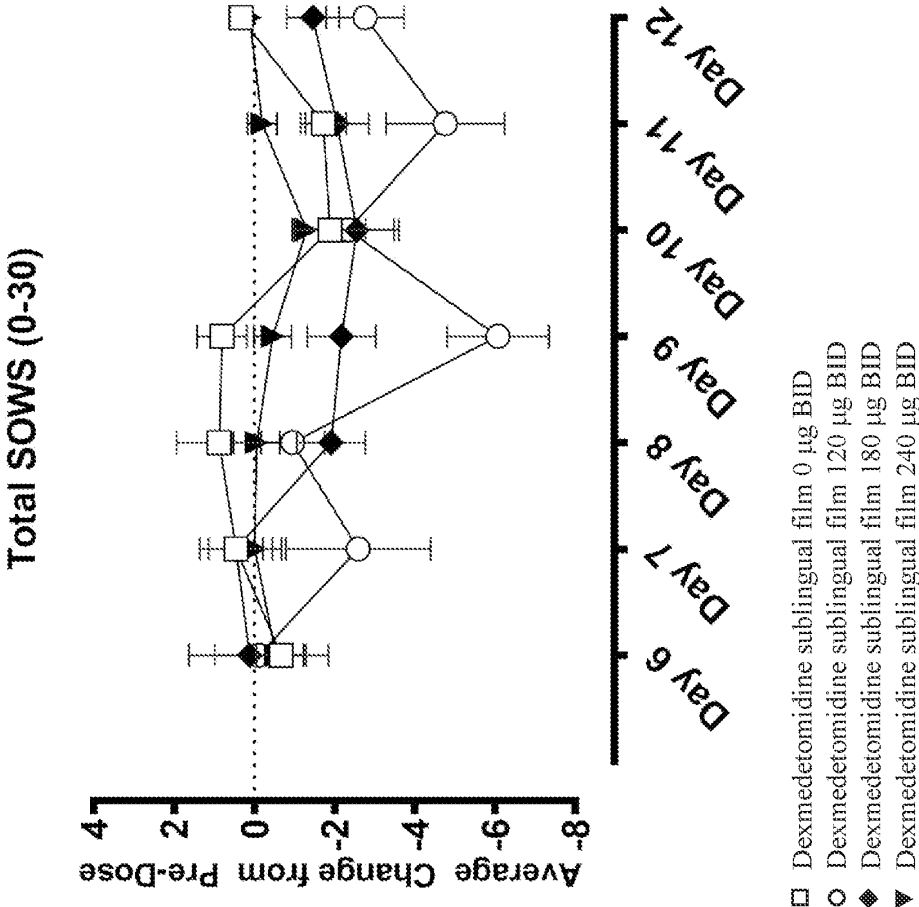


FIG. 9 Study retention after administration of dexmedetomidine sublingual film 120 µg, 180 µg and 240 µg BID as compared to placebo according to Example 5.

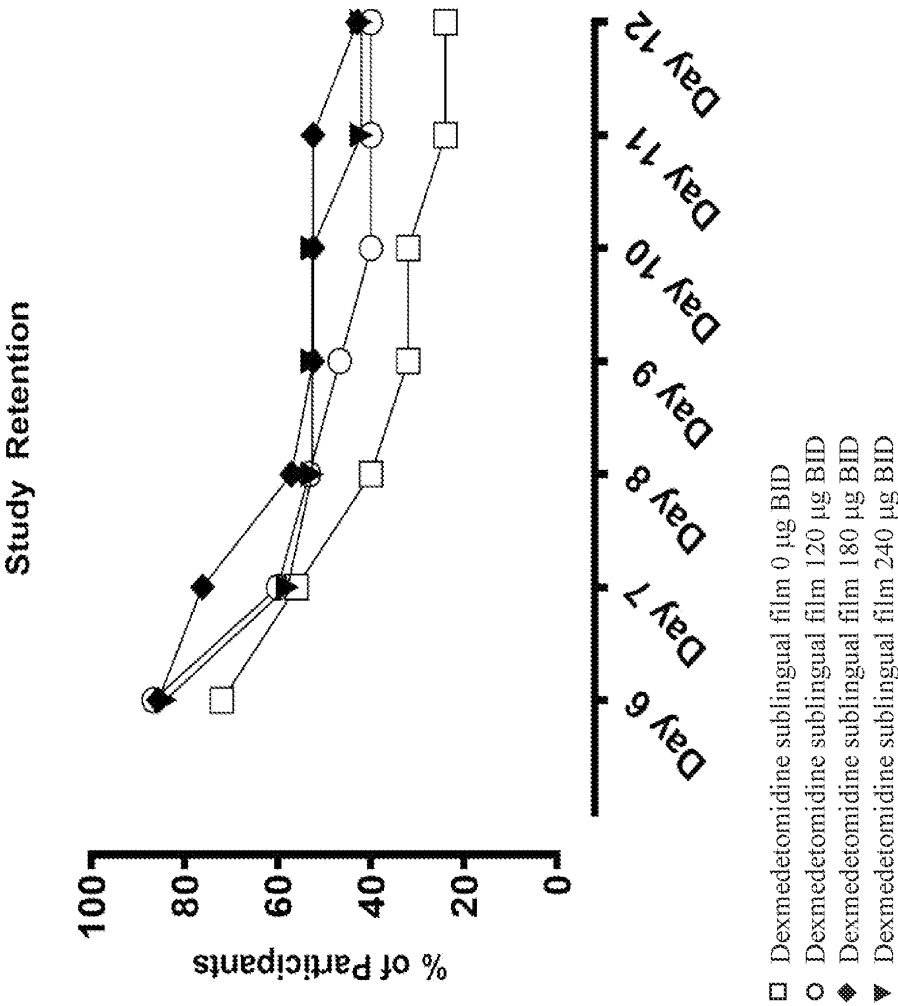


FIG. 10 PEC Score Simulations of Placebo and SL administration Regimens

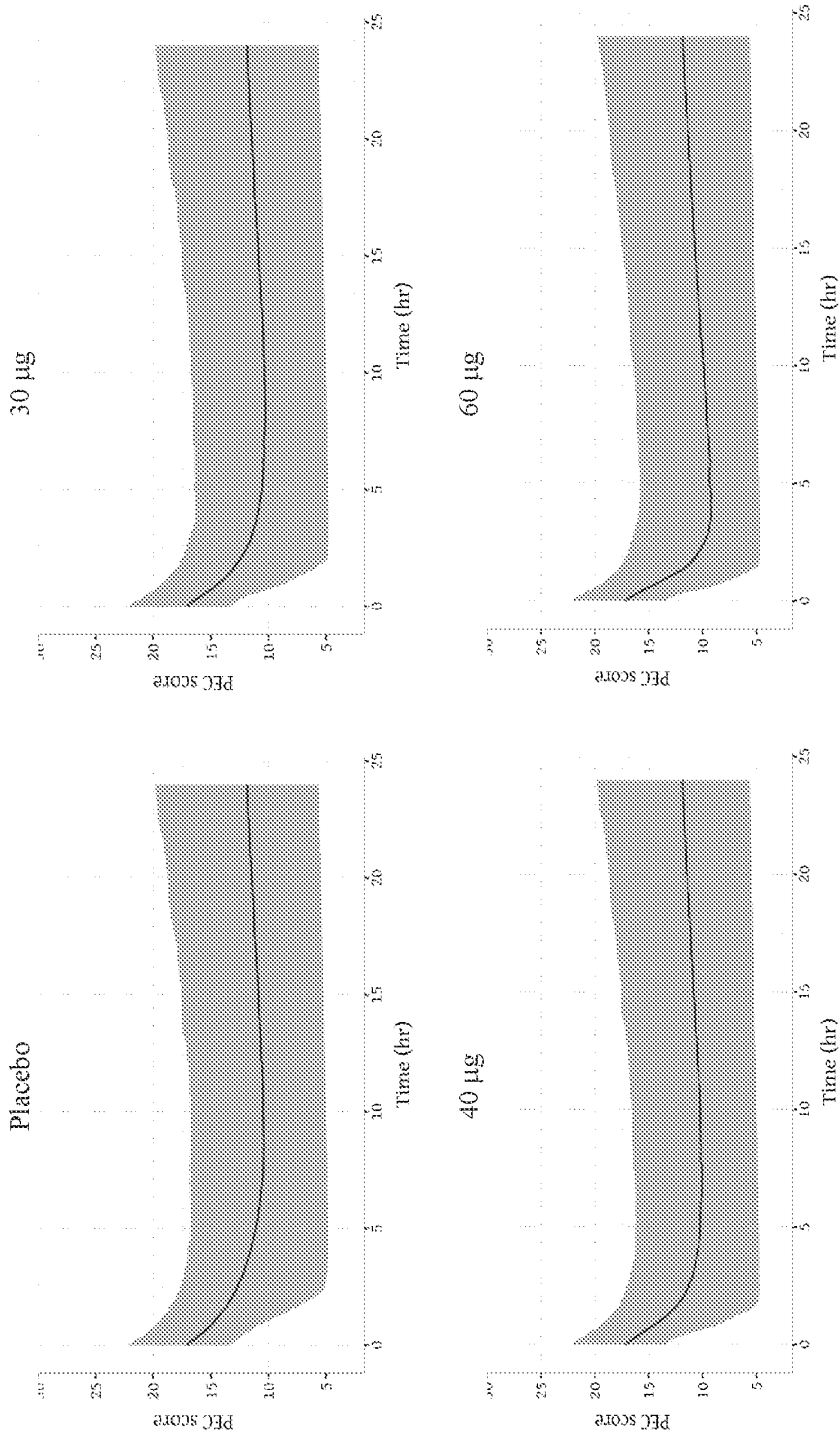
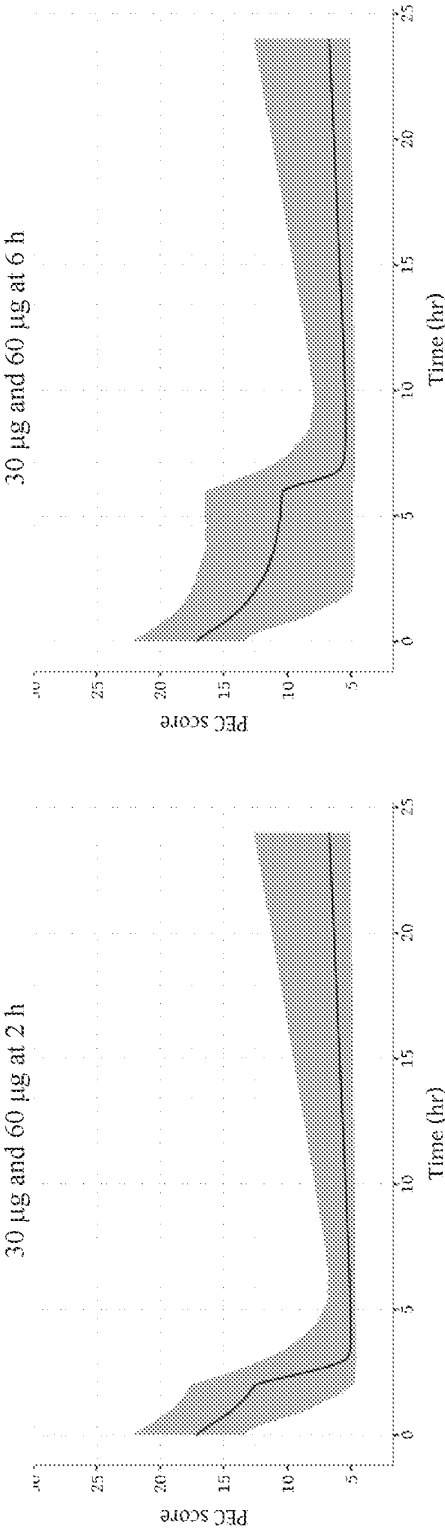


FIG. 10 (cont'd)



Solid Black Line: Median of the simulated PEC Score Change from Baseline. **Shaded Areas:** The shaded areas indicate the 90% prediction intervals around the median simulated score.

FIG. 11 PEC Change from Baseline (%) Simulations of Placebo and SL administration Regimens

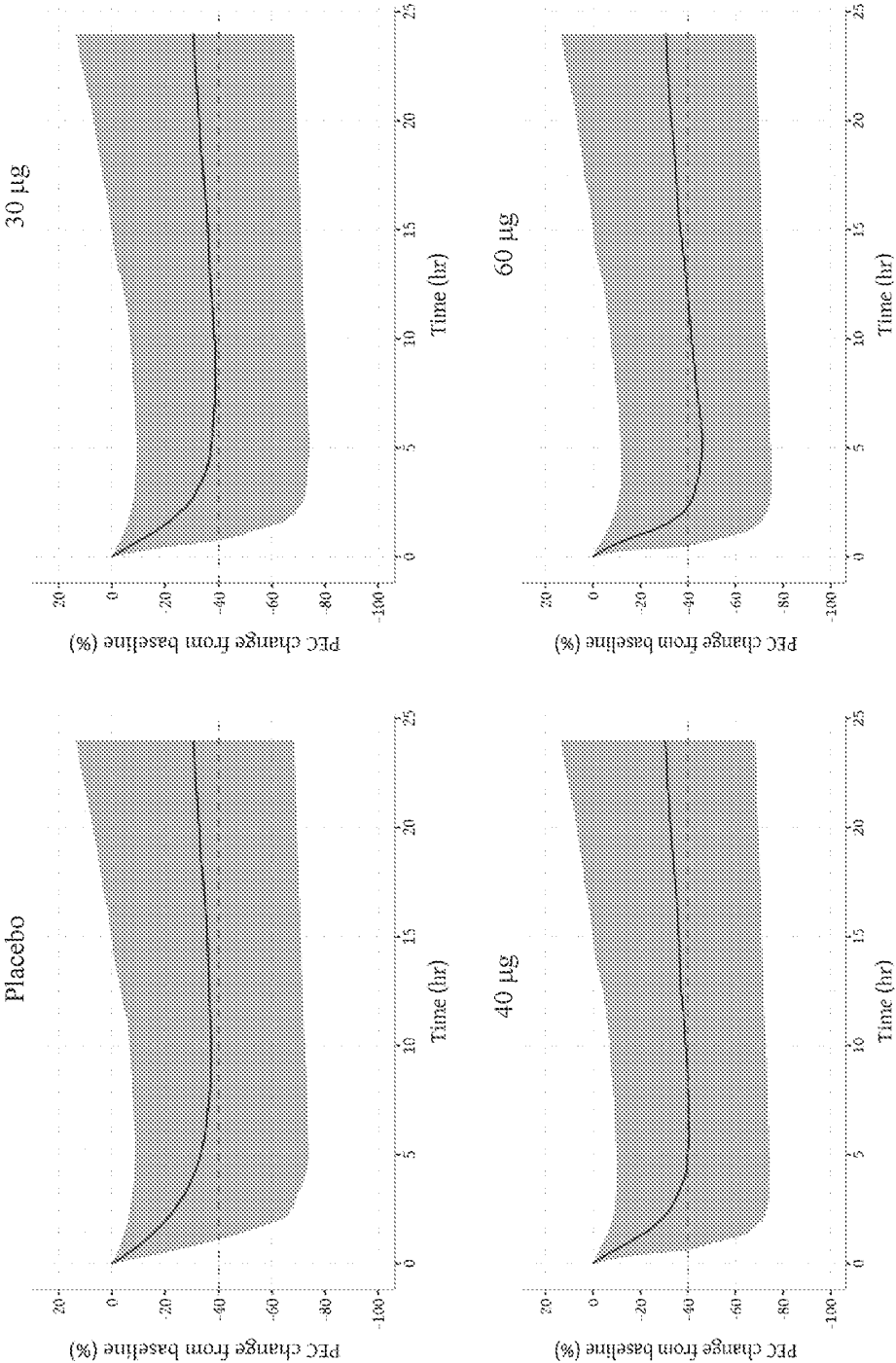
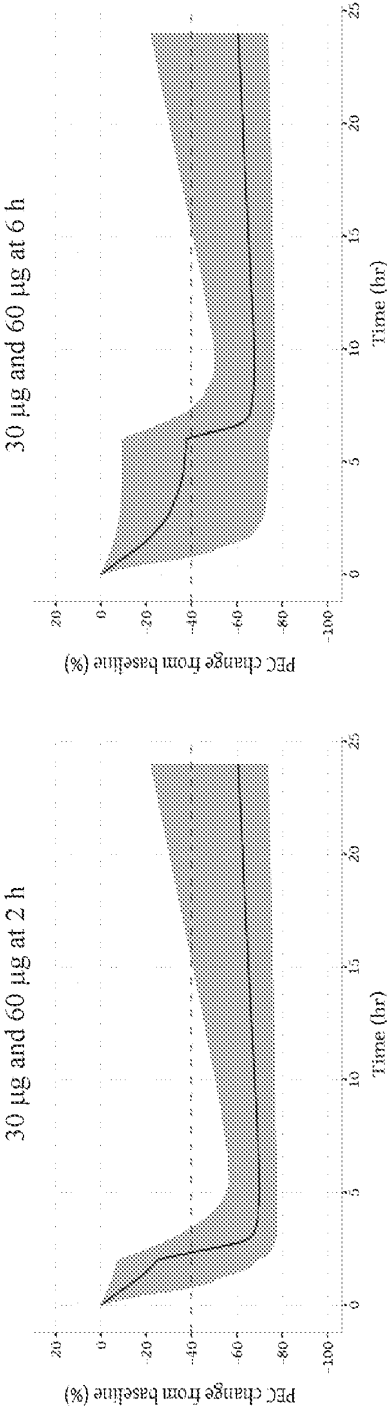


FIG. 11 (cont'd)



Solid Black Line: Median of the simulated PEC Score Change from Baseline. **Shaded Areas:** The shaded areas indicate the 90% prediction intervals around the median simulated score.

FIG. 12 PAS Score Simulations of Placebo and SL administration Regimens

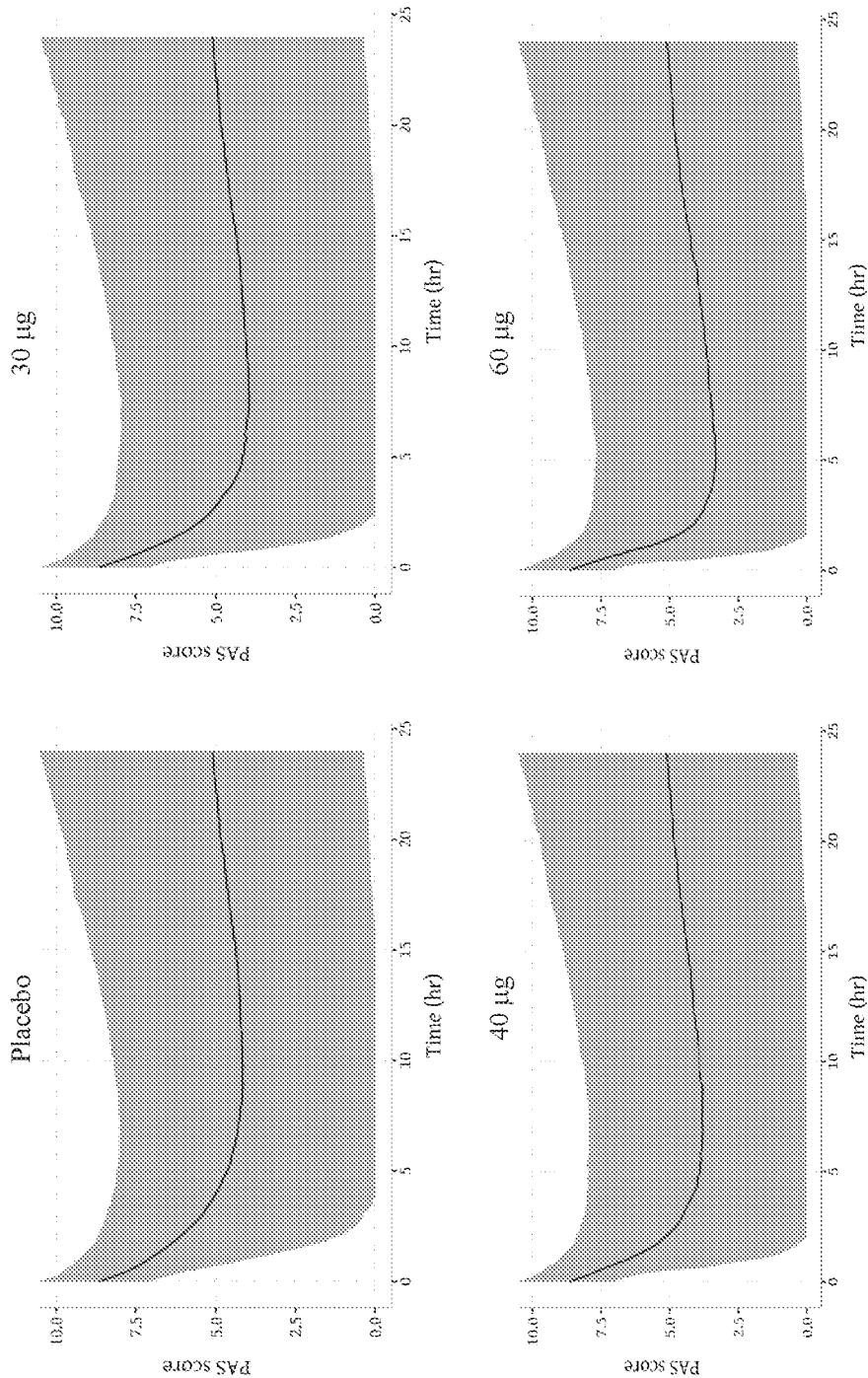
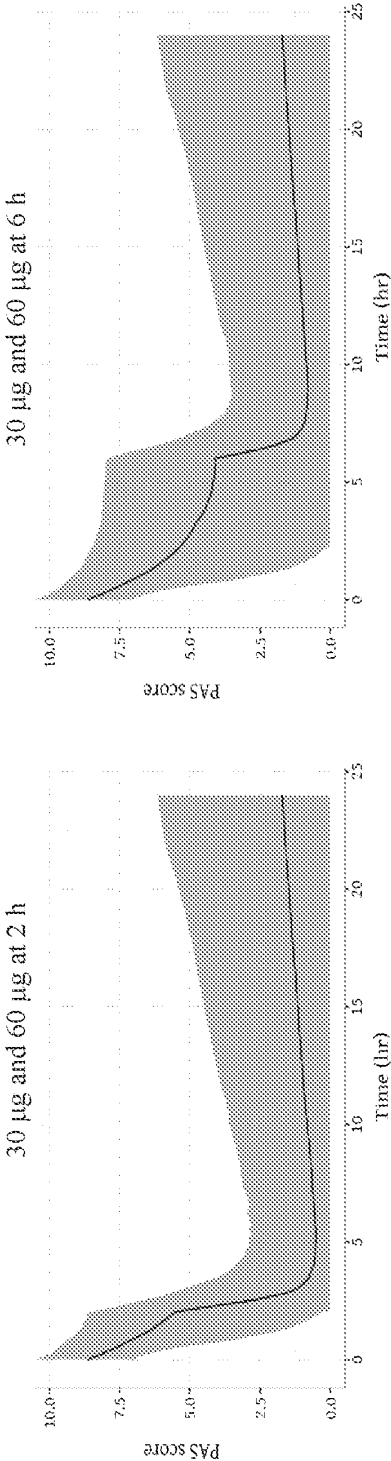


FIG. 12 (cont'd)



Solid Black Line: Median of the simulated PAS Score Change from Baseline. **Shaded Areas:** The shaded areas indicate the 90% prediction intervals around the median simulated score.

FIG. 13 PAS Change from Baseline (%) Simulations of Placebo and SL administration Regimens

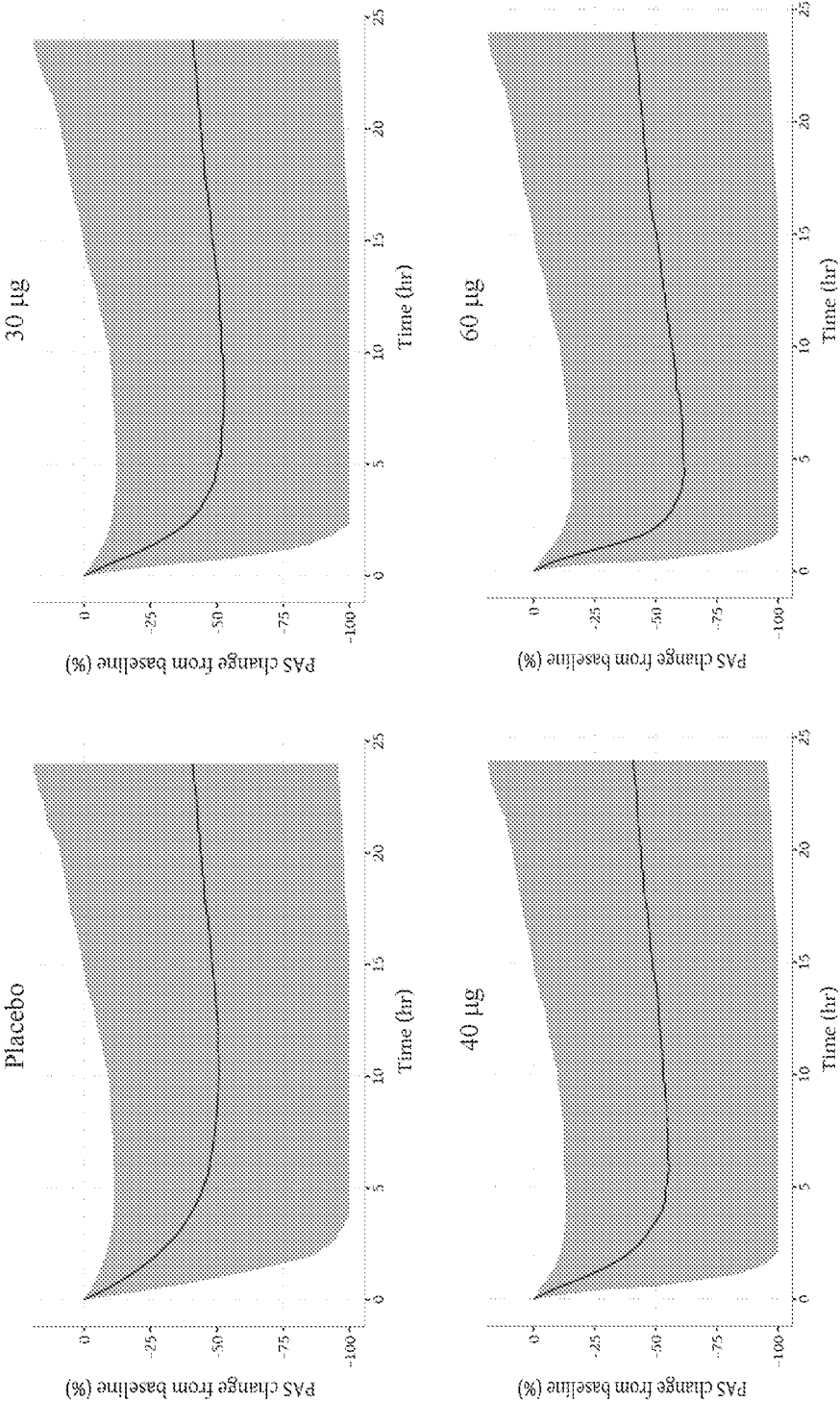
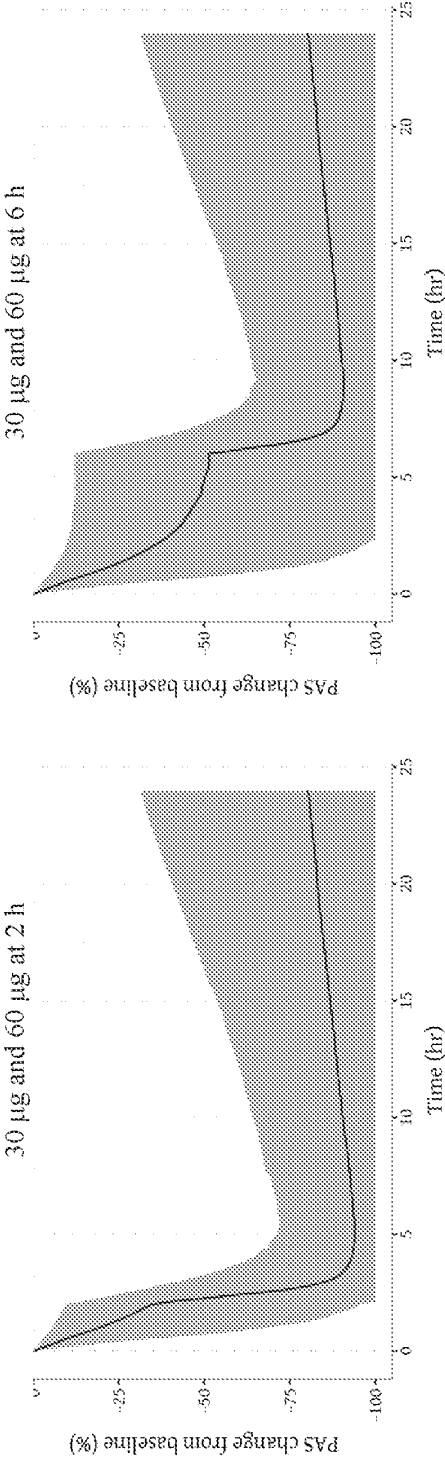


FIG. 13 (cont'd)



Solid Black Line: Median of the simulated PAS Score Change from Baseline. **Shaded Areas:** The shaded areas indicate the 90% prediction intervals around the median simulated score.

FIG. 14 CMAI Score Simulations of Placebo and SL administration Regimens

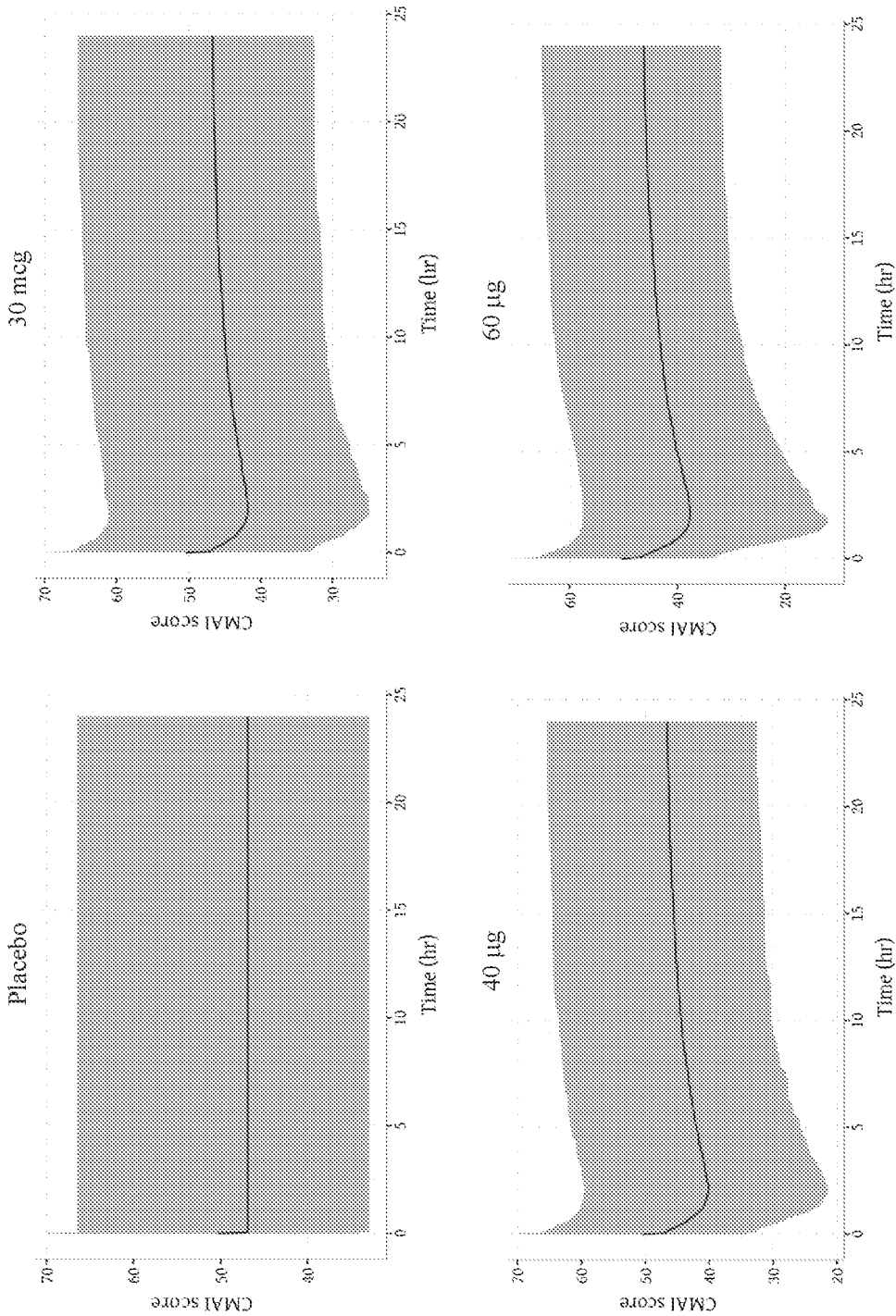
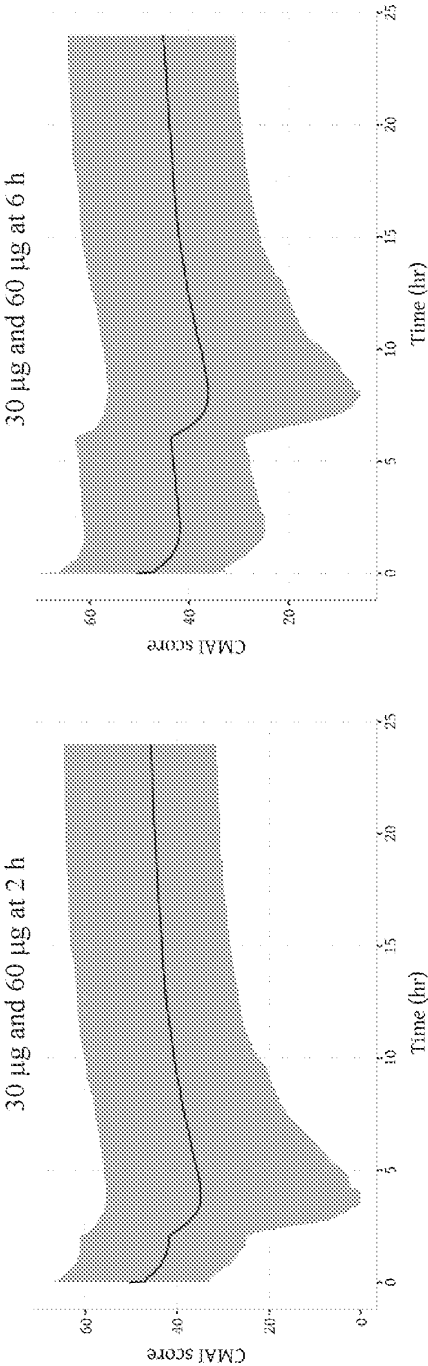


FIG. 14 (cont'd)



Solid Black Line: Median of the simulated CMAI Score Change from Baseline. **Shaded Areas:** The shaded areas indicate the 90% prediction intervals around the median simulated score.

FIG. 15 CMAI Change from Baseline (%) Simulations of Placebo and SL administration Regimens

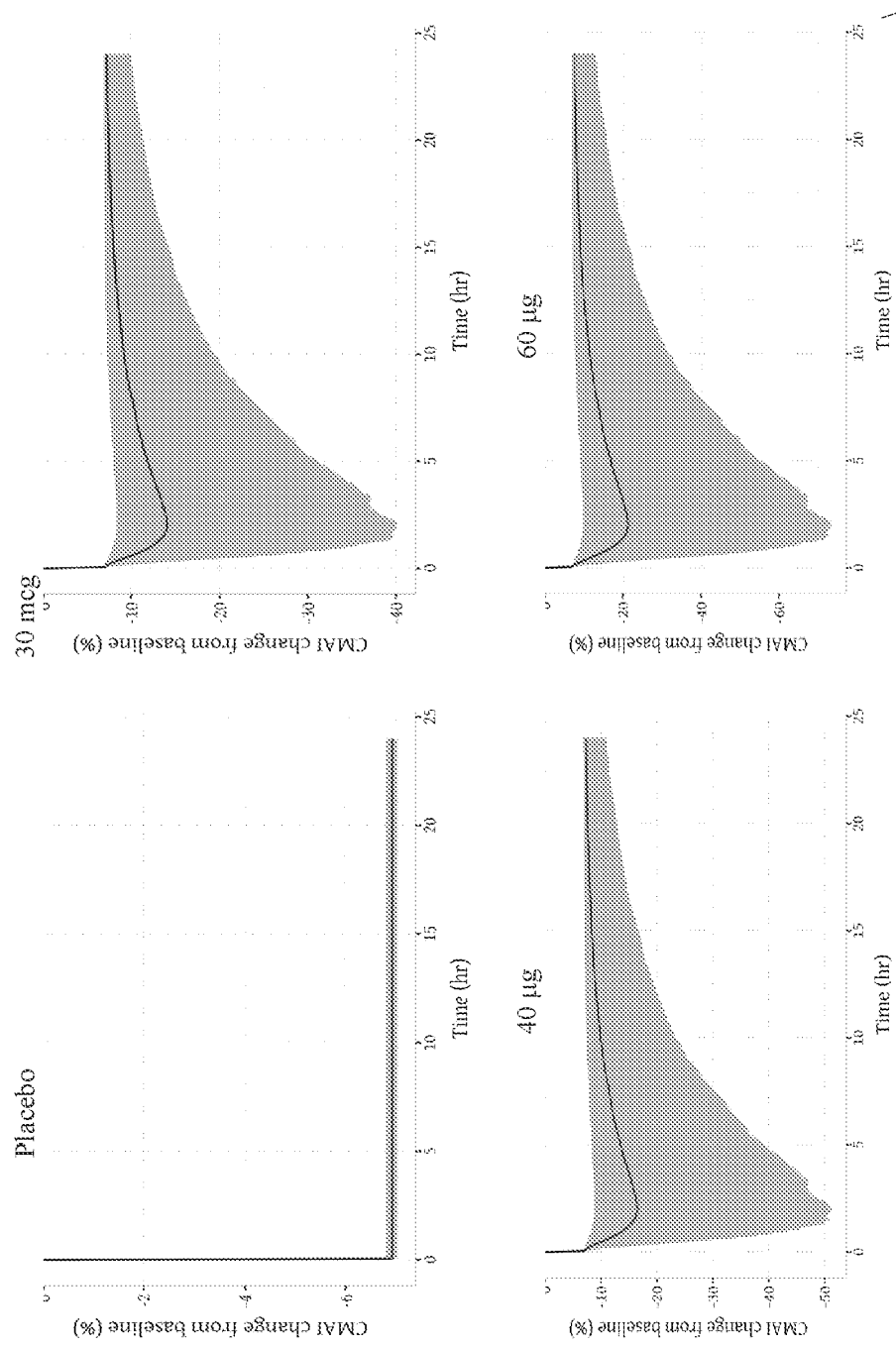
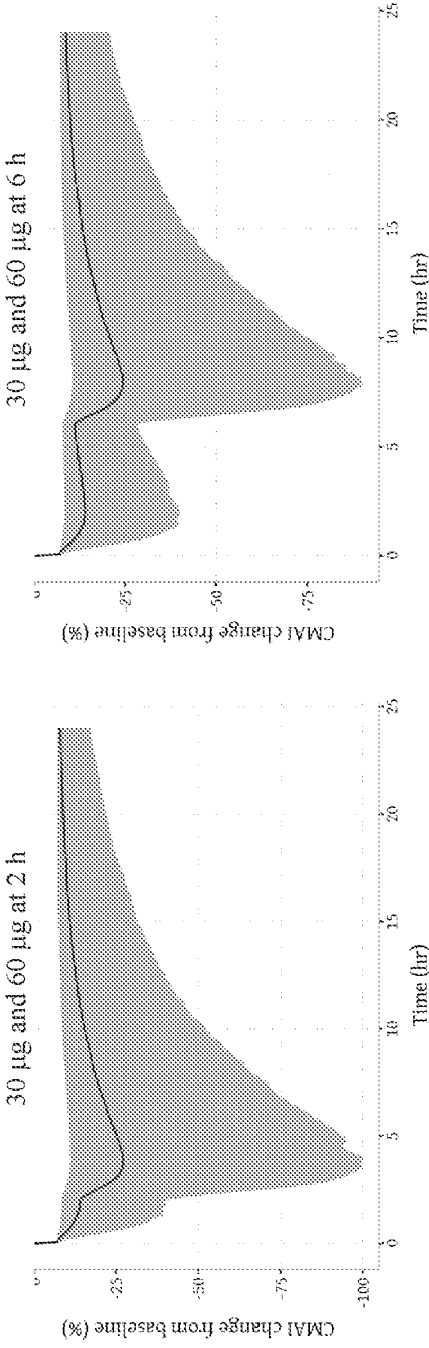


FIG. 15 (cont'd)



Solid Black Line: Median of the simulated CMAI Score Change from Baseline. **Shaded Areas:** The shaded areas indicate the 90% prediction intervals around the median simulated score.