| **First Author, Year**  **Trial Name**  **Quality for Harms** | **G1 (N)**  **G2 (N)** | **DC Due to Harms, N (%)** | **Rash,**  **N (%)** | **Irritation, N (%)** | **Need for Additional Sleep Meds,**  **N (%)** | **Claustrophobia,**  **N (%)** | **Oral or Nasal Dryness,**  **N (%)** | **Nosebleed,**  **N (%)** | **Pain,**  **N (%)** | **Excess Salivation,**  **N (%)** | **Dental,**  **N (%)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Engleman, 1999176  Fair | Total (37)  CPAP first (NR)  Oral Placebo first (NR) | 0 (0.0)  0 (0.0) | NR | NR | NR | NR | 4 (12)  0 (0) | NR | 0 (0.0)  1 (2.9) | NR | NR |
| Hui, 2006141  Fair | CPAP (28)  Sham CPAP (28) | 0 (0.0)  5 (17.8) | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| Kushida, 2012145  APPLES  Fair | CPAP (556)  Sham CPAP (542) | NR | Dermato-logical  102 (18.3)  61 (11.3) | NR | NR | NR | NR | NR | NR | NR | NR |
| Lam, 2007180  Fair | CPAP (34)  Usual care (33) | 0 (0.0)  0 (0.0) | NR | Facial skin abrasion:  7 (21)  0 (0) | NR | NR | 16 (47)  0 (0) | NR | TMJ pain:  0 (0.0)  0 (0.0) | 0 (0)  0 (0) | 0 (0)  0 (0) |
| Malow, 2008150  Fair | Total (35)  CPAP (22)  Sham CPAP (13) | 0 (0.0)  0 (0.0) | NR | 2 (9.1)  0 (0.0) | NR | NR | NR | NR | NR | NR | NR |
| Redline, 1998183  Fair | CPAP (59)  Conservative therapy (52) | 3 (5.1)  0 (0.0) | NR | 2 (3.3)  0 (0.0) | NR | NR | NR | 1 (1.7)  2 (3.6) | NR | NR | NR |
| Smith, 2007163  Fair | Total (24)  CPAP first (11)  Sham first (13) | 0 (0.0)  1 (3.9) | NR | NR | NR | 1 (3.9) but unclear which arm | NR | NR | NR | NR | NR |
| Weaver, 2012166  Fair | CPAP (141)  Sham CPAP (140) | 1 (0.8)  0 (0.0) | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| Weinstock, 2012167,289  Fair | Total (50)  CPAP first (25)  Sham CPAP first (25) | 0 (0.0)  0 (0.0) | NR | Skin irritation:  6 (12.0)  2 (4.0)  Eye irritation:  1 (2.0)  0 (0.0) | NR | 0 (0.0)  1 (2.0) | NR | NR | Ear pain:  1 (2.0)  0 (0.0)  Non-cardiac chest pain:  1 (2.0)  0 (0.0) | NR | NR |

**Abbreviations:** addl=additional; APPLES=Apnea Positive Pressure Long-term Efficacy Study; claustro=claustrophobia; CPAP=continuous positive airway pressure; DC=discontinued; G=group; MAD=mandibular advancement device; meds=medications; N=sample size; NR=not reported; saliv=salivation; TMJ=temporomandibular; UC=usual care; wks=weeks.