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| Table S1. Pain characteristics and affective function according to OFP diagnosis. |
| Questionnaire | Painful TMDs(n=121) | Cranial nerve lesion/disease (n=127) | Primary headaches (n=75) | Dentoalveolar disorders (n=54) | Idiopathic OFP (BMS)  (n=26) |  |
|  | Mean (SD) | Mean (SD) | Mean (SD) | Mean (SD) | Mean (SD) | *p* |
| **Average pain severity(0-10)** | **4.23 (2.61)c,** | **4.23 (2.96) c,** | **5.73 (2.28)a,b,d,** | **4.33 (2.50) c,** | **4.54 (2.57)** | **0.001** |
| **Pain interference (0-10)** | **3.74 (2.58)d** | **3.52 (2.75)c** | **4.37 (2.62)b,d** | **2.87 (2.56)a,c** | **3.27 (2.51)** | **0.028** |
| **Somatization score (0-26)** | **7.39 (5.39)c,** | **6.54 (4.88)c** | **10.60 (5.06) a,b,d,e,** | **7.35 (5.86)c** | **8.19 (5.98)c** | **<0.001** |
|  | n (%) | n (%) | n (%) | n (%) | n (%) |  |
| **Medium-High Somatization**  | **44 (36.4)c,** | **39 (30.7)c** | **44 (58.7) a,b,d,** | **19 (35.2)c** | **11 (42.3)** | **0.002** |
| **Moderate/Severe Depression** | **26 (21.5)** | **21 (16.3)c** | **24 (32.0)b,d,e** | **6 (10.5)c** | **3 (11.5)c** | **0.014** |
| Moderate/Severe Anxiety | 24 (19.8) | 30 (23.3) | 23 (30.7) | 10 (17.2) | 6 (23.1) | 0.369 |
| Recent stressful event | 48 (41.7) | 37 (29.4) | 23 (31.9) | 17 (32.7) | 12 (46.2) | 0.208 |
| Note: ‘Average pain severity’ (7-day) from Facial Pain Brief Pain Inventory; ‘Somatization’ and ‘Medium-High Somatization’ from Patient Health Questionnaire-15; ‘Moderate/Severe Depression’ from Patient Health Questionnaire-9; ‘Moderate/Severe Anxiety’ from Generalized Anxiety Disorder-7; ‘Recent stressful event’ from Impact of Event Scale; High (chronic pain) disability’ from Graded Chronic Pain Scale. *p* values were calculated from one-way analysis of variance (ANOVA) or chi-square testsconsidering all OFP groups (significant associations are emboldened); Post-hoc pairwise comparisons were administered for those measures where an overall (significant) association was observed – significant differences are indicated by superscript letters: a Significant difference from Painful TMD, b Significant difference from Cranial nerve lesion/disease, c Significant difference from Primary headaches, d Significant difference from Dentoalveolar disorders, e Significant difference from Idiopathic OFP (BMS). |

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| Table S2. Multivariate associations of sleep problems with demographic factors, clinical comorbidities, pain severity and pain- and psychological-related function in patients with OFP conditions (excluding duration of OFP condition; *n* = 387). |
|  | Sleep problem index (0-100) |
| Variables | B | CI B | *β* | *p* |
|  |  |  |  |  |  |
| Female gender | 4.30 | -0.56,8.96 | 0.06 | 0.089 |
| Primary headache diagnosis | 5.94 | 0.15,11.88 | 0.08 | 0.050 |
| Comorbid TMD or Migraine/Headache  | 2.91 | -2.63,8.34 | 0.04 | 0.332 |
| **Average pain severity** | **3.00** | **1.84,4.03** | **0.27** | **<0.001** |
| **Pain interference** | **4.31** | **3.19,5.42** | **0.38** | **<0.001** |
| **Somatization score** | **0.88** | **0.21,1.56** | **0.14** | **0.010** |
| Moderate/Severe depression | -0.30 | -9.07,8.58 | -0.004 | 0.944 |
| Moderate/Severe anxiety | -3.25 | -11.18,4.81 | -0.05 | 0.431 |
| Recent stressful event | 4.57 | -0.19,9.92 | 0.07 | 0.067 |
| Notes: ‘Sleep problem index’ is from Chronic Pain Sleep Inventory; ‘Average pain severity’ (7-day) and Pain interference (7-day; excluding sleep item) were from Facial Pain Brief Pain Inventory; ‘Somatization score’ from Patient Health Questionnaire-15 (excluding sleep item); ‘Moderate/Severe Depression’ from Patient Health Questionnaire-9; ‘Moderate/Severe Anxiety’ from Generalized Anxiety Disorder-7; ‘Recent stressful event’ from Impact of Event Scale. Model excluded duration of OFP condition – otherwise, it only included variables where a significant association (i.e., *p* < 0.05) was observed in univariate analyses; Reference categories for Gender = Male, Primary headache diagnosis = No primary diagnosis of headache; Comorbid Temporomandibular Disorder(s) (TMD) or Migraine/Headache = No comorbid condition, Moderate/Severe depression = None/Mild depression, Moderate/Severe anxiety = None/Mild anxiety, Recent stressful event = No recent stressful event. Average pain severity, Pain interference and Somatization scores were continuous variables (as such, beta values represent change in (sleep) score per point increase). B = unstandardized beta; CI = 95% confidence interval; *β* = standardized beta; For ‘Sleep problem index’ omnibus F = 42.31, *p* < 0.001, Adjusted R2 = 0.49. Associations with significance *p* < 0.05 are indicated in bold; Associations with significance *p* < 0.05 are indicated in bold. |