

ORTHODONTIC TREATMENT IN PATIENTS WITH FEATURES OF BODY DYSMORPHIC DISORDER (BDD): A SCOPING REVIEW

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Background

- Subjects with BDD are preoccupied with one or more perceived defects or flaws in their appearance that are not or only slightly observable by other people
- They often seek aesthetic medical treatment to correct their perceived physical defects
- When BDD pertains to dentofacial area, it is important for orthodontists to be familiar with this condition



AIM: To scope the prevalence of BDD in orthodontic population, to find out the tools for early detection of BDD, and to suggest ways for clinicians to manage subjects with this disorder

Method

- Articles focusing BDD patients of all ages and gender seeking/having orthodontic treatment were included
- Articles focusing only surgical-orthodontic treatment in BDD subjects, conference abstracts and opinion papers not including orthodontics were excluded
- Only articles in English were included
- Scoping review conducted based on Joanna Briggs Institute methodology (JBI, 2015)
- 3 databases were searched for peer-reviewed including grey literature
- 44 records were double-screened, and 16 articles were included

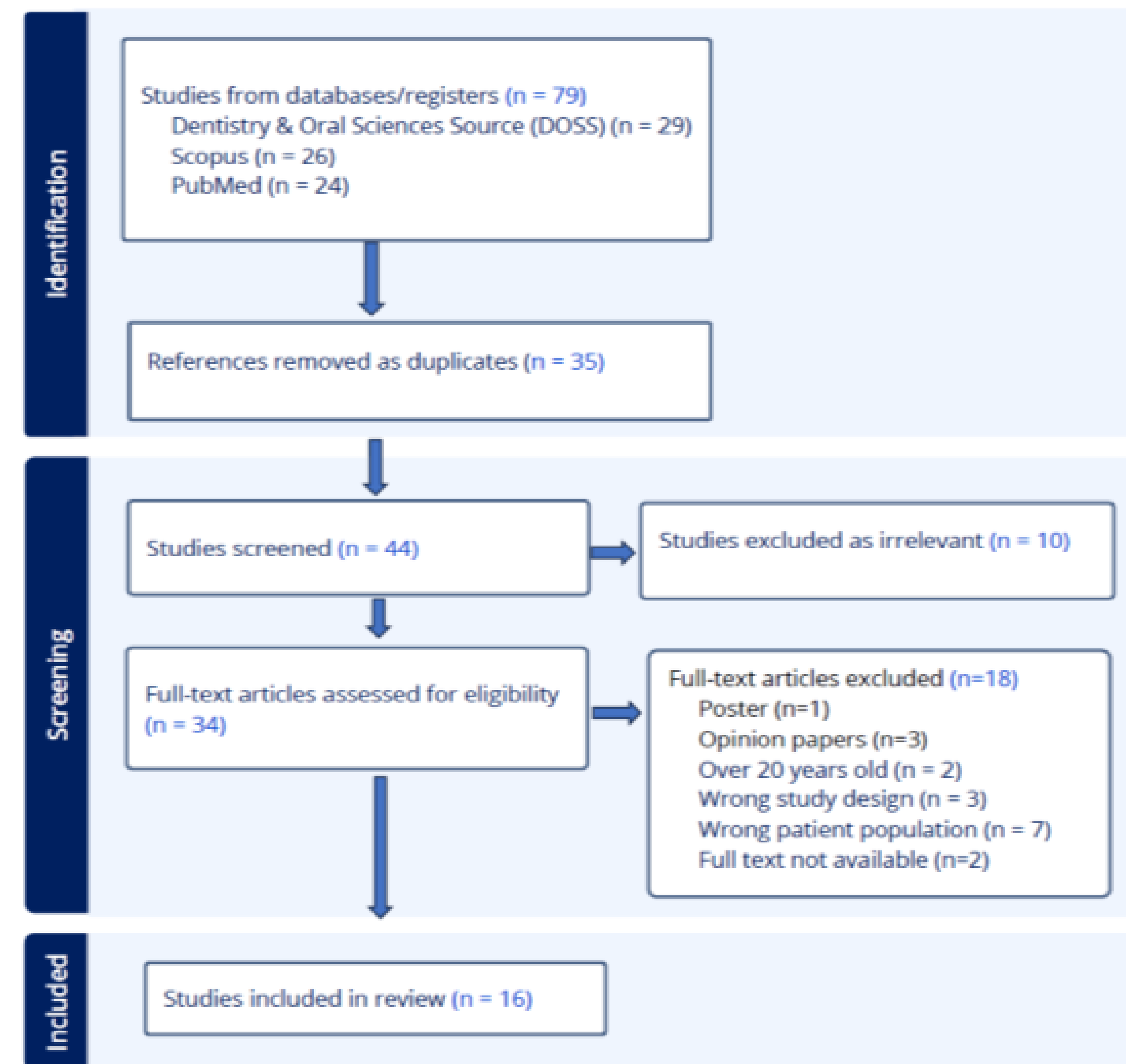


Figure 1: PRISMA flow chart of study selection process



Figure 2: The smile of the young woman, who was dissatisfied after orthodontic treatment because of upper lip asymmetry

Results

- The prevalence of BDD within orthodontic population ranged from 3% to 34%
- BDD seemed to be higher within females, younger and single subjects
- The head and facial area and dental esthetics were the most concerned parts of the body
- BDD subjects were likely to have multiple orthodontic consultations
- Among BDD patients there seems to be a risk for unnecessary treatment, dissatisfaction and potential for litigation

Tools for BDD assessment

- To identify potentially high-risk patients the BDD-YBOCS (the Yale-Brown Obsessive-Compulsive Scale Modified for Body Dysmorphic Disorder) questionnaire is mostly used
- If in doubt of BDD a psychiatric consultation is recommended

Key Takeaways

- Orthodontists should be aware of the features of BDD and if doubt of this condition has been aroused not start any treatment before psychiatric consultation
- A careful assessment of subject's expectations before initiating any orthodontic treatment is of vital importance