

Supplementary file 2. Quality appraisal using the Mixed Methods Appraisal Tool																					
ID	First author	Year	Title	S1.	S2	1.1.	1.2.	1.3.	1.4.	1.5	2.1.	2.2.	2.3.	2.4.	2.5	3.1.	3.2.	3.3.	3.4.	3.5.	
1	Corah NL	1969	Development of a dental anxiety scale	Yes	No											No	Yes	Yes	No	No	
4	Berggren U	1984	Dental fear and avoidance - causes, symptoms, and consequences	Yes	Yes											No	Yes	Yes	Yes	Yes	
6	Milgrom P	1988	The prevalence and practice management consequences of dental fear in a major united-states city	Yes	Yes											No	No	No	Yes	No	
7	Lehner J	2000	Ambient odor of orange in a dental office reduces anxiety and improves mood in female patients	Yes	Yes											No	Yes	Yes	Yes	No	
8	Locker D	1999	Age of onset of dental anxiety	Yes	Yes											Yes	Yes	No	Yes	No	
9	Oosterink FMD	2009	Prevalence of dental fear and phobia relative to other fear and phobia subtypes	Yes	No											Yes	No	No	No	Yes	
10	Hakeberg M	1992	Prevalence of dental anxiety in an adult population in a major urban area in Sweden	Yes	Yes											No	Yes	No	Yes	No	
11	KlingberG G	1995	Child dental fear - cause-related factors and clinical effects	Yes	Yes											Yes	Yes	No	Yes	Yes	
12	Lautch H	1971	Dental Phobia	No	No											No	No	Yes	No	Yes	
13	Milgrom P	1997	Four dimensions of fear of dental injections	Yes	Yes											No	Yes	Yes	No	Yes	
14	Schuller AA	2003	Are there differences in oral health and oral health behavior between individuals with high and low dental fear?	Yes	Yes											No	Yes	No	No	Yes	
15	Johnsen BH	2003	Attentional and physiological characteristics of patients with dental anxiety	Yes	Yes											No	No	Yes	Yes	Yes	
16	Armfield JM	2006	Dental fear in Australia: who's afraid of the dentist?	Yes	No											No	Yes	No	No	Yes	
17	Vassend O	1993	Anxiety, pain and discomfort associated with dental treatment	Yes	Yes											No	Yes	No	Yes	Yes	
18	Milgrom P	1995	Origins of childhood dental fear	Yes	Yes											Yes	Yes	No	Yes	Yes	
19	Cohen SM	2000	The impact of dental anxiety on daily living	Yes	No											No	Yes	Yes	Yes	Yes	
20	Moore R	1993	Prevalence and characteristics of dental anxiety in Danish adults	Yes	No											No	Yes	No	Yes	Yes	
21	Reisine ST	1989	Impact of dental conditions on patients' quality of life	Yes	Yes											Yes	Yes	No	Yes	Yes	
22	Davey GCL	1989	Dental phobias and anxieties-evidence for conditioning processes in the acquisition and modulation of learned fear	No	No											No	No	No	Yes	Yes	

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23	Kleinknecht RA	1978	The assessment of dental fear	No	No	No	Yes	No	Yes	No	Yes	Yes
24	Kent G	1985	Memory of dental pain	Yes	No					No	Yes	Yes
25	Humphris GM	2000	Further evidence for the reliability and validity of the Modified Dental Anxiety Scale	Yes	Yes					Yes	Yes	No
26	Facco E	2013	Validation of visual analogue scale for anxiety (VAS-A) in preanesthesia evaluation	Yes	Yes					No	Yes	Yes
27	Winocur E	2011	Self-reported Bruxism - associations with perceived stress, motivation for control, dental anxiety and gagging	Yes	Yes					No	Yes	Yes
28	McGrath C	2004	The association between dental anxiety and oral health-related quality of life in Britain	Yes	Yes					Yes	Yes	Yes
29	Hill KB	2013	Adult Dental Health Survey 2009: relationships between dental attendance patterns, oral health behaviour and the current barriers to dental care	Yes	Yes					Yes	Yes	Yes
30	Kleinknecht RA	1984	Factor-analysis of the dental fear survey with cross-validation	Yes	Yes					No	Yes	Yes
33	Liddell A	1997	Gender and age differences in attitudes to dental pain and dental control	Yes	Yes					No	Yes	Yes
34	Townend E	2000	A clinical study of child dental anxiety	Yes	Yes					No	Yes	Yes
35	Sohn W	2005	Regular dental visits and dental anxiety in an adult dentate population	Yes	Yes					No	No	Yes
37	Kritsidima M	2010	The effects of lavender scent on dental patient anxiety levels: a cluster randomised-controlled trial	Yes	Yes	No	Can't tell	Yes	No	Yes		
38	Eitner S	2006	Dental anxiety - an epidemiological study on its clinical correlation and effects on oral health	Yes	Yes					No	Yes	Yes
39	Eli I	2003	Effect of anxiety on the experience of pain in implant insertion	Yes	Yes					No	Yes	Yes
40	Ten Berge M	2002	The etiology of childhood dental fear: the role of dental and conditioning experiences	Yes	Yes					No	Yes	Yes
41	Locker D	2001	Psychological disorders and dental anxiety in a young adult population	Yes	Yes					Yes	Yes	Yes
43	Oosterink FM	2008	What are people afraid of during dental treatment? Anxiety-provoking capacity of 67 stimuli characteristic of the dental setting	Yes	Yes					No	Yes	No
44	ten Berge M	2002	Childhood dental fear in the Netherlands: prevalence and normative data	Yes	Yes					No	Yes	No

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46	Armfield JM	2009	Dental fear and adult oral health in Australia	Yes	Yes									Yes	No	Yes
47	Maggirias J	2002	Psychological factors and perceptions of pain associated with dental treatment	Yes	Yes									No	Yes	Yes
48	Moore R	1991	Manifestations, acquisition and diagnostic categories of dental fear in a self-referred population	Yes	Yes									No	Yes	Yes
50	Gatchel RJ	1983	The prevalence of dental fear and avoidance - a recent survey study	Yes	No									No	No	Yes
52	Milsom KM	2003	The relationship between anxiety and dental treatment experience in 5-year-old children	Yes	Yes									No	Yes	Yes
53	Armfield JM	2013	What goes around comes around: revisiting the hypothesized vicious cycle of dental fear and avoidance	Yes	Yes									No	Yes	Yes
54	Karst M	2007	Auricular acupuncture for dental anxiety: A randomized controlled trial	Yes	Yes						Yes	Yes	No	Yes		
55	Locker D	2003	Psychosocial consequences of dental fear and anxiety	Yes	Yes									No	Yes	Yes
56	Thomson WM	2000	Incidence of dental anxiety in young adults in relation to dental treatment experience	Yes	Yes									Yes	Yes	No
57	Auerbach SM	1983	Anxiety, information, interpersonal impacts, and adjustment to a stressful health-care situation	Yes	Yes									No	Yes	Yes
58	Moore R	2004	The contribution of embarrassment to phobic dental anxiety: a qualitative research study	Yes	Yes				Yes	Yes	Yes	Yes				
60	NeverlienPO	1990	Assessment of a single-item dental anxiety question	Yes	Yes									No	Yes	Yes
61	DeJongh A	1995	Acquisition and maintenance of dental anxiety - the role conditioning experiences and cognitive factors	Yes	Yes									No	Yes	Yes
62	Stouthard MEA	1990	Prevalence of dental anxiety in the Netherlands	Yes	Yes									No	No	Yes
63	Mcneil DW	1993	Emotional imagery in simple and social phobia - fear versus anxiety	Yes	Yes									No	No	Yes
64	Doerr PA	1998	Factors associated with dental anxiety	Yes	Yes									No	Yes	Yes
65	Blomqvist M	2007	Salivary cortisol levels and dental anxiety in children with attention deficit hyperactivity disorder	Yes	Yes									Yes	Yes	Yes
66	Mehrstedt M	2007	Oral health-related quality of life in patients with dental anxiety	Yes	Yes									Yes	Yes	No
70	Howard KE	2007	Reliability and validity of a faces version of the Modified Child Dental Anxiety Scale	Yes	Yes									Yes	Yes	Yes

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71	Buchanan H	2007	Accessing dental anxiety online support groups: An exploratory qualitative study of motives and experiences	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
72	Sullivan MJL	1998	Catastrophizing, anxiety and pain during dental hygiene treatment	Yes	Yes										No	Yes	Yes	Yes	Yes
73	Wogelius P	2003	Prevalence of dental anxiety and behavior management problems among six to eight years old Danish children	Yes	Yes										Yes	Yes	No	Yes	Yes
74	Ost LG	1985	Acquisition of blood and dental phobia and anxiety response patterns in clinical patients	Yes	Yes										No	No	Yes	Yes	Yes
75	Skaret E	1999	Dental anxiety and dental avoidance among 12 to 18 year olds in Norway	Yes	Yes										No	Yes	No	Yes	Yes
76	Ng SKS	2008	A community study on the relationship of dental anxiety with oral health status and oral health-related quality of life	Yes	Yes										No	Yes	Yes	Yes	Yes
77	Bernstein DA	1979	Antecedents of dental fear	Yes	Yes										No	Yes	No	Yes	Yes
78	Humphris G	2013	UK population norms for the modified dental anxiety scale with percentile calculator: adult dental health survey 2009 results	Yes	Yes										Yes	Yes	No	Yes	Yes
80	Berggren U	1984	Psychometric measures of dental fear	Yes	Yes										No	Yes	Yes	Yes	Yes
81	Nakai Y	2005	The Children's Fear Survey Schedule-Dental Subscale in Japan	Yes	Yes										Yes	Yes	Yes	No	Yes
82	Humphris G	2011	The prevalence of dental anxiety across previous distressing experiences	Yes	Yes										No	Yes	No	Yes	Yes
83	Pohjola V	2007	Association between dental fear and dental attendance among adults in Finland	Yes	Yes										Yes	Yes	Yes	No	Yes
86	Skaret E	1998	Dental anxiety among 18-yr-olds in Norway - Prevalence and related factors	Yes	Yes										Yes	Yes	No	Yes	Yes
87	Isong IA	2014	Addressing Dental Fear in Children With Autism Spectrum Disorders: A Randomized Controlled Pilot Study Using Electronic Screen Media	Yes	Yes									No	Yes	Yes	Yes		
88	Armfield JM	2010	Development and Psychometric Evaluation of the Index of Dental Anxiety and Fear (IDAF-4C+)	Yes	Yes										No	Yes	No	Yes	Yes
89	Hägglin C	2000	Factors associated with dental anxiety and attendance in middle-aged and elderly women	Yes	Yes										Yes	Yes	Yes	Yes	Yes
90	Enkling N	2006	Dental anxiety in a representative sample of residents of a large German city	Yes	Yes										Yes	Yes	Yes	No	Yes

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91	Mcneil DW Berryman ML	1989	Components of dental fear in adults	Yes	Yes									No	Yes	Yes
92	Weisenberg M	1975	Pain- anxiety and attitudes in black, white and Puerto-Rican patients	Yes	Yes									Yes	Yes	Yes
93	Locker D	1996	Who is dentally anxious? Concordance between measures of dental anxiety	Yes	Yes									No	Yes	Yes
94	Locker D	1991	Correlates of dental anxiety among older adults	Yes	Yes									No	Yes	No
95	Goettems ML	2012	Children's use of dental services: influence of maternal dental anxiety, attendance pattern, and perception of children's quality of life	Yes	Yes									No	Yes	Yes
97	Abrahamsson KH	2002	Dental phobic patients' view of dental anxiety and experiences in dental care: a qualitative study	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
98	Bradley MM	2008	Fear of pain and defensive activation	Yes	Yes									No	Yes	Yes
99	Wong M	1991	A COMPARISON OF ANXIETY LEVELS ASSOCIATED WITH ROOT-CANAL THERAPY AND ORAL-SURGERY TREATMENT	Yes	Yes									No	Yes	Yes
100	Tunc EP	2005	Reliability and validity of the Modified Dental Anxiety Scale (MDAS) in a Turkish population	Yes	Yes									No	Yes	Yes