

Appendix 1– Search strategy (via OVID, MEDLINE and EMBASE)

- 1 exp Dentistry/ (357819)
- 2 exp Dentistry, Operative/ (32163)
- 3 exp Dental Care/ (29438)
- 4 Dental Restoration, Permanent/ (18759)
- 5 Dental Restoration Repair/ (102)
- 6 Periodontal Debridement/ (191)
- 7 Subgingival Curettage/ (977)
- 8 Dental Scaling/ (3316)
- 9 Chronic Periodontitis/ (1971)
- 10 Periodontal Diseases/ (24137)
- 11 Periodontal Surgery.mp. (1302)
- 12 Periodontal treatment.mp. (2728)
- 13 Oral Surgical Procedures/ (5363)
- 14 exp Surgery, Oral/ (7419)
- 15 Tooth Extraction/ (17008)
- 16 Dental Prosthesis/ (3384)
- 17 "Root Canal Therapy"/ (11735)
- 18 exp Dental Implants/ (17311)
- 19 Dental Implants, Single Tooth/ (1901)
- 20 Dental Implantation/ (3773)
- 21 1 OR 2 OR 3 OR 4 OR 5 OR 6 OR 7 OR 8 OR 9 OR 10 OR 11 OR 12 OR 13 OR 14 OR 15 OR 16 OR 17 OR 18 OR 19 OR 20 (372164)
- 22 exp Anesthetics, Local/ (96504)
- 23 exp Anesthesia, Local/ (15673)
- 24 exp Anesthesia, Dental/ (10417)
- 25 Lidocaine/ (22512)
- 26 Prilocaine/ (2018)
- 27 Bupivacaine/ (10713)
- 28 Procaine/ (11313)
- 29 Mepivacaine/ (1899)
- 30 Carticaine/ (451)
- 31 Etidocaine/ (288)
- 32 22 OR 23 OR 24 OR 25 OR 26 OR 27 OR 28 OR 29 OR 30 OR 31 (114729)
- 33 exp Cardiovascular Diseases/ (2067079)
- 34 Cardiac.mp. (631932)
- 35 Coronary Disease/ (128393)
- 36 Coronary Artery Disease/ (47503)
- 37 Coronary arteriosclerosis.mp. (733)
- 38 Coronariopathy.mp. (29)
- 39 Arrhythmias, cardiac/ (56112)
- 40 Heart Valve Diseases/ (21116)
- 41 Heart Diseases/ (63528)
- 42 Heart Failure/ (63528)
- 43 Rheumatic Heart Disease/ (12263)
- 44 Myocardial Ischemia/ (34898)
- 45 Myocardial Infarction/ (151398)
- 46 Hypertension (210548)
- 47 Hypertensive Patients.mp. (25167)
- 48 33 OR 34 OR 35 OR 36 OR 37 OR 38 OR 39 OR 40 OR 41 OR 42 OR 43 OR 44 OR 45 OR 46 OR 47 (2314784)
- 49 21 AND 32 AND 48 (752)

Appendix 2 – Risk of bias of RCTs included (modified version of the Cochrane collaboration)

Author	Year	Random sequence generation	Allocation concealment	Blinding of participants and personnel	Blinding of outcome assessment	Incomplete outcome data	Selective reporting	Other sources of bias
Abu-Mostafa, et al. 2015)	2015	Definitely yes	Probably no	Probably no	Probably no	Probably yes	Probably yes	Probably yes
Bronzo, et al. 2012	2012	Probably yes	Probably no	Definitely no	Definitely no	Probably yes	Probably no	Probably yes
Caceres, et al. 2008	2008	Probably yes	Definitely no	Definitely no	Definitely no	Probably yes	Probably no	Probably yes
Conrado, et al. 2007	2007	Probably yes	Probably yes	Probably yes	Definitely no	Probably yes	Probably no	Probably yes
Davenport, et al. 1990	1990	Definitely yes	Probably yes	Probably yes	Probably yes	Probably yes	Probably no	Probably no
Laragnoit, et al. 2009	2009	Definitely yes	Probably yes	Definitely yes	Definitely yes	Probably yes	Probably yes	Probably yes
Neves, et al. 2007	2007	Probably yes	Probably no	Definitely no	Definitely no	Probably yes	Probably no	Probably yes
Ogunlewe, et al. 2011	2011	Probably yes	Probably no	Definitely no	Definitely no	Probably yes	Probably no	Probably no
Santos-Paul, et al. 2015)	2015	Probably yes	Probably no	Probably yes	Probably yes	Probably yes	Probably yes	Probably yes
Torres-Lagares, et al. 2012	2012	Definitely yes	Probably yes	Probably yes	Definitely no	Probably yes	Definitely no	Probably no

Appendix 3- Characteristics of excluded studies

Excluded studies	Exclusion reasons
Abu-Mostafa et al. 2015	Group of patients without CVD
Agani et al. 2015	Not RCT
Bazhanov et al. 1983	Not RCT
Brkovic et al. 2008	Group of patients without CVD
Caviedes et al. 1983	Not RCT
Cecava, Mocek, Sel. 1965	Not RCT
Harang. 1949	Not RCT
Montebugnoli, Pelliccioni, Borghi 1990	Not RCT
Nava, Torres-Martinez 1967	Not RCT
Neves et al. 2009	Pregnant patients
Niwa 1999	Group of patients without CVD
Ohgami, Suda 1979	Not RCT
Rollason et al. 1977	Not RCT
Salman, Schwartz 1955	Not RCT
Tucci, Gabrielli, Mendes 1977	Not RCT
Vieillefosse 1973	Not RCT
Yoshimura et al. 1987	Not RCT
Zivotic-Vanovic, Marjanovic 2006	Group of patients without CVD

CAD- Cardiovascular disease. RCT- Randomised controlled trial