

The NiTi Brush literature: the figures, and how they are counted

Countries, institutions, investigators, patients and implants behind the seventeen verified publications

Rev. 0 · 7 September 2026

Every number HANS Korea quotes about the literature comes from the seventeen papers listed in the Clinical Evidence Overview and nothing else. This document shows the counting rules and the lists behind each figure, so that a reader can check them. It is revised, with a new revision number, whenever a paper is added or removed.

17	14	30	65	~440	~600	6-42
PUBLICATIONS	COUNTRIES	INSTITUTIONS	INVESTIGATORS	PATIENTS	IMPLANTS	MONTHS

Counting rules

Figure	Rule	Source
17 publications	A paper is counted only when it has been read in full, verified against the publisher's record, and names the instrument as the NiTi Brush of HANS Korea in its text. Papers reporting merely "a titanium brush" are excluded. Six randomised controlled trials, seven clinical or retrospective studies, two in vitro studies, two reviews.	Publisher records (CrossRef, PubMed), full texts
14 countries	Countries of the authors' affiliations as printed in each paper; a country is counted once however many papers or authors it appears in.	Author affiliations
30 institutions	Universities, university hospitals, research institutes and named clinics in the authors' affiliations, each counted once. Affiliations given only as "private practice" without a name are not counted.	Author affiliations
65 investigators	Every named author across the seventeen papers, counted once regardless of how many papers they appear in.	Author lists (CrossRef, PubMed, paper)
~440 patients	Sum of the patients treated in the ten clinical studies. Where two papers report the same patients (the 1-year and 3-year reports of one trial; a trial and its secondary analysis; a single-centre report of a multicentre trial) the cohort is counted once. In vitro studies and reviews contribute none.	Methods / Results
~600 implants	Same rule for implants (at least 597). Where a paper reports patients but not implants, one implant per patient is assumed.	Methods / Results
6-42 months	Shortest and longest follow-up reported in the clinical studies: 6 months (Schwarz et al. 2021) to 42 months (Brincat et al. 2023); the 3-year trial report covers 36 months.	Methods

Countries and institutions

30 institutions in 14 countries

Country	Universities, hospitals, research institutes and named clinics
Spain	Complutense University of Madrid (ETEP Research Group) · Universitat Internacional de Catalunya, Barcelona · University of Extremadura, Badajoz · Clínica Ortiz-Vigón PerioCentrum / ThinkingPerio Research, Bilbao · Clínica Guerrero, Marbella · Brånemark Clinic, Las Palmas · CICOM, Badajoz
France	Aix-Marseille University · Assistance Publique – Hôpitaux de Marseille (AP-HM) · IHU Méditerranée Infection · Institut de Recherche pour le Développement (IRD)
Italy	University of Padua · University of Trento · University of Torino
Germany	Goethe University Frankfurt (Carolinum and University Hospital) · University Hospital Düsseldorf · Charité – Universitätsmedizin Berlin
United States	University of Michigan · Harvard School of Dental Medicine · Rutgers School of Dental Medicine
Sweden	University of Gothenburg (Sahlgrenska Academy) · Public Dental Service, Region Västra Götaland
Switzerland	University of Bern
Brazil	Federal University of Santa Catarina, Florianópolis
Denmark	Copenhagen University Hospital (Rigshospitalet)
Japan	The Nippon Dental University Niigata Hospital
Jordan	University of Jordan, Amman
New Zealand	University of Otago (Sir John Walsh Research Institute), Dunedin
Saudi Arabia	Umm Al-Qura University, Makkah
United Arab Emirates	Mohammed Bin Rashid University of Medicine and Health Sciences, Dubai

Investigators

65 named authors, each counted once

Alphabetical by family name. Listing an author here records only that they published a paper in which the NiTi Brush was used; it implies no relationship with, or endorsement of, HANS Korea.

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Patients and implants by study

clinical studies only, cohorts counted once

Study	Patients	Implants	Follow-up	Counted?
Derks et al. 2022 · multicentre RCT	138	147	12 months	Yes
Alibegovic et al. 2025 · 3-year report of the same trial	120	127	36 months	Same cohort - not added
Monje et al. 2025 · multicentre RCT (surface decontamination)	58	>= 58	12 months	Yes
Monje, Pons, Peña 2025 · single-centre report of that trial	19	23	12 months	Subset - not added
Regidor et al. 2023 · RCT	43	>= 43	12 months	Yes
Monje et al. 2023 · RCT (barrier membrane)	33	48	12 months	Yes
Monje et al. 2023 · defect angle (secondary analysis)	33	48	12 months	Same cohort - not added
Monje et al. 2025 · rhPDGF-BB case series	10	13	12 months	Yes
Schwarz et al. 2023 · retrospective	36	40	12 months	Yes
Schwarz et al. 2021 · pilot	20	>= 20	6 months	Yes
Monje et al. 2022 · retrospective (implantoplasty)	43	135	about 24 months	Yes
Brincat et al. 2023 · case series	57	91	12-42 months	Yes

Study	Patients	Implants	Follow-up	Counted?
Babgi & Felemban 2024 · two cases	2	2	-	Yes
Total counted	440	>= 597	6-42 months	

In vitro studies (Brunello et al. 2025; Kao et al. 2024) and reviews (Montero et al. 2022; Hiroyasu 2018) contribute authors, institutions and countries but no patients.

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