

## Curriculum vitae Simon Graf

Smile AG Belp, Switzerland

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Born 15.10.1980

Academic studies:

Dentist, University of Bern 17.10.2007

3 years orthodontic postgraduate program,  
orthodontic department of the University of Basel  
August 2009 - September 2012

Opening Smile AG (german for: Smile Inc.)

Private orthodontic clinic in Belp, Switzerland

February 2014



### Main topics:

Simon Graf has a specific interest in the translation of orthodontic procedures, specially of orthodontic appliances, in the digital world. He started in the beginning of 2014 with a cad/cam-procedure for 3D-metal-printed rapid-palatal-expansion device(hyrax) directly from an intraoral scan. As soon he was able to establish a standardized protocol for this appliance, he continued to work on the Herbst-appliance, lingual arch etc. and proceeded to bone-borne appliances.

As the materials are evolving, he is now working on acrylic direct printed removable appliances and on combining different materials, with the goal to simplify the patients and orthodontists life.

He is lecturing about these topics since 2016 worldwide.

### Publications(first author):

Digital Applications in everyday practice: Yes we (s)can or how far do we want to go?  
Inf Orthod Kieferorthop 2017; 49: 171-176

Direct printed metal devices – The next level of CAD/CAM applications in the orthodontic care.

APOS Trends in orthodontics 2017 November-December Vol 7 issue 8

Computer-aided design and manufacture of hyrax devices: Can we really go digital?  
Am J Orthod Dentofacial Orthop 12.2017

CAD/CAM in the clinical workflow.

Kieferorthopädische Nachrichten(Orthodontic news) 01-02.2018 ISSN: 1612-2577

A clinical guideline to direct printed orthodontic appliances  
Seminars in orthodontics Dez.2018 4.Issue

CAD/CAM design and 3d printing of mini-implant retained orthodontic appliances  
Am J Orthod Dentofacial Orthop 12.2018

Clinical guidelines to integrate temporary anchorage devices for bone-borne orthodontic appliances in the digital workflow  
APOS Trends in orthodontics issue July/Sept.2019

CAD/CAM produced mini-implant retained upper molar distalization  
JCO (accepted Sept.2019)

Kieferorthopädie digital – Total Normal  
Zahn Zeitung Schweiz ZZS, Nov. 2019

**Publications(co-author):**

Planejamento virtual e impressão de aparelho metálico  
Revista Ortodontia de Sociedade Paulista de Ortodontia(SPO) 13.10.2019

**Lectures by Simon Graf:**

20.04.2016 Scan easy, University of Aarhus,  
Head of Department Marie Cornelis, Aarhus, Denmark

03.06.2016 CAD/CAM in orthodontics, where are we now?  
Orthodontic Clinic&Education Center Björn Ludwig Trabentrabach, Germany

25.06.2016 Technology from the future, Benefit appliances from the digital world.  
7<sup>th</sup> Benefit-User-Meeting Prof. D.Drescher and Prof.Benedikt Wilmes, Duesseldorf, Germany

02.07.2016 CAD/CAM procedures for orthodontics: A new digital approach for metallic orthodontic appliances. ESLO Athens, Dr.Takis Kanarelis, ESLO President, Athen, Greece

06.09.2016 Intraoral scanning. Private Studyclub Bern, President Dr.med.dent S.Hänni, Bern, Switzerland

04.11.2016 Classic orthodontic appliances in the age of CAD/CAM.  
51<sup>st</sup> IOC and WIOC Goa, President Dr.N.R.Krishnaswamy, Goa, India

23.11.2016 Modern orthodontics. In favour for Hostettler Dental, Curaden & Dentaorium Belp, Switzerland

27.11.-01.12.2016 Intraoral scanning week. Hands-on-training. Smile AG(Inc.) Simon Graf, Belp, Switzerland

16.03.2017 Modern orthodontics. In favour for Hostettler Dental, Curaden & Dentaorium Dietikon, Switzerland

18.-24.03.2017 CAD/CAM in the orthodontic clinic. Orthodontic winter congress KFO IG, Oberlech, Austria

25.04.2017 CAD/CAM in orthodontics. Dental Hygienist society Bern, Switzerland

28.04.2017 3D-Printing of orthodontic appliances with Stefano Negrini. University of Basel, Prof.Carlaberta Verna, Basel, Switzerland

19.-20.05.2017 Digital Orthodontics. Congress of digital orthodontics, KFO IG, Fulda, Germany

22.05.2017 CAD/CAM in the orthodontic workflow. Orthodontic society Zürich, President Dr.P.Clavadetscher, University of Zürich, Switzerland

14.08.2017 CAD/CAM in orthodontics. Prof. Ali Darendeliler, University of Sydney, Sydney, Australia

18.-19.08.2017 Technology from the future: orthodontic appliances from the digital world. ASLO Congress President Igor Lavrin, Melbourne, Australia

07.-09.09.2017 CAD/CAM in Orthodontics; more than just space-analysis, setup and aligners. South African Society of Orthodontists congress, President Sharad Cara, Capetown, South Africa

30.09.-02.10.2017 CAD/CAM in Orthodontics: From theory to reality. 30<sup>th</sup> annual conference Indian society for Dental Research, President Dr.OP Kharabanda, New Delhi, India

26.10.2017 CAD/CAM in the orthodontic workflow. Private orthodontic studyclub, Smile Inc. Belp, Switzerland

2.12.2017 Technology from the future: 3D metal printed orthodontic appliances. IOS Prague, Prof.Dr.Dr.Ralf J.Radklanski, Prague, Czech Republic

10.12.2017 Technology from the future: orthodontic appliances from the digital world, TAO annual meeting, Kaohsiung, Taiwan

16.12.2017 Benefit-System in the digital world. Benefit-Course(PSM), Prof. B.Wilmes, Moscow, Russia

18.01.2018 CAD/CAM in Orthodontics. S.O.R.G Next level in orthodontics and orthognathic surgery, President Ch.Freudlsperger, Heidelberg University, Germany

23.-25.02.2018 CAD/CAM in Orthodontics: The Future is now  
12<sup>th</sup> Annual Conference of the Saudi Orthodontic Society

03.-08.03.2018 Vor- und Nachteile der gedruckten Apparatur!  
Orthodontic winter congress KFO IG, Oberlech, Austria

09.-10.03.2018 The direct printed orthodontic appliance. Quintessenz Symposium, President Björn Ludwig, Berlin, Germany

08.-09.06.2018 CAD/CAM in orthodontics: the update Congress of digital orthodontics, KFO IG, Würzburg, Germany

23.07.2018 Technology from the Future: CAD/CAM in orthodontics, Université Hassan II, Prof. Zakaria Bentahar, Casablanca, Morocco

31.08.-01.09.2018 Modern treatment advances, using palatal anchorage, Prof.B.Wilmes, Melbourne, Australia

06.09.2018 CAD/CAM: The future in the orthodontic clinic, 10<sup>th</sup> WIOC and 13<sup>th</sup> Annual meeting of the Indonesian association of orthodontists, President Krisnawati, Nusa Dua, Bali

08.09.2018 CAD/CAM and skeletal anchorage, 10<sup>th</sup> WIOC and 13<sup>th</sup> Annual meeting of the Indonesian association of orthodontists, President Krisnawati, Nusa Dua, Bali

03.-04.10.2018 Benefit-TAD-System in the digital world. Congresso de asociación de orthodontistas de Guatemala, President Jean Pierre Nuyens, Guatemala antigua, Guatemala

09.-10.11.2018 CAD/CAM in Orthodontics: How it changes the treatment for the patients Swiss Dental Hygienist Annual Congress, St.Gallen, Switzerland

30.11.-01.12.2018 CAD/CAM: The 3D metal printing in orthodontics, Digital Congress, Ferrara, Italy

25.01.2019 CAD/CAM in orthodontics, COLFMDC, Mourad Sebbar, Président COLFMDC, Prof. Zakaria Bentahar, Casablanca, Morocco

26.01.2019 CAD/CAM: the printed future in orthodontics, 32nd Meeting of the Egyptian Orthodontic Society joint with the Asociacion Mexicana de ortodoncia, Cairo, Egypt

07.04.2019 CAD/CA: the 3d metal-printed future in orthodontics, Lingual orthodontic meeting South Korea, Prof. Kee-Joon Lee, Seoul, South Korea

09.04.2019 3D printed orthodontic appliances, Alumni seminar, Yonsei university, Prof. Kee-Joon Lee, Seoul, South Korea

01.05.2019 CAD/CAM: TAD bourne appliances, Prof.T.Nguyen, UNC Chapel Hill, North Carolina, United States

05.05.2019 CAD/CAM: the printed future in orthodontics(lecture I), AAO, Los Angeles, United States

06.05.2019 The 3D Metall printed appliance(lecture II), AAO, Los Angeles, United States

14.-15.06.2019 CAD/CAM: The printed future of the Benefit-System, Benefit User Meeting and European Begg Society Congress, Bonn, Germany

06.-07.09.2019 3D metal printing in orthodontics: Where are we now? South African Society of Orthodontists congress, President John Dancaster, Durban, South Africa

10.-12.10.2019 CAD-CAM design and 3D printing of metal orthodontic appliances 50<sup>th</sup> SIDO, President Prof. Barbato, Rome, Italy

17.-18.10.2019 The 3D metal printed orthodontic appliance, S.O.R.G. Madrid, Spain

24.10.2019 CAD/CAM in Orthodontics: How it changes the treatment for the patients, Lions Club Switzerland, Section Bern, Chair Veronique Stoupa

21.11.2019 "Why go Digital in Orthodontics" One day 3D pre-congress workshop, 54<sup>th</sup> Indian orthodontic conference, Bhubaneswar, India

22.-24.11.2019 CAD/CAM: The printed future in orthodontics, 54<sup>th</sup> Indian orthodontic conference, Bhubaneswar, India

11.02.2020 Orthodontics today, Studyclub Kirchenfeld, Bern Switzerland

13.-14.03.2020 The 3d printed orthodontic appliance, 1<sup>st</sup>. digital orthodontic congress, Kiev, Ukraina

19.-22.03.2020 3D printing in orthodontics, more than just plastic, European Aligner Society Congress, Malta

28.03.2019 3D metal printing in orthodontics. Digital orthodontic seminar, Prof.George Damanakis, Athens, Greece

11.-13.04.2020 The 3d metal printed orthodontic appliance. Digital Orthodontic Symposium (DOS), Taipei, Taiwan

26.06.2020 Keynote lecture: 3D metal printing in orthodontics. European society of lingual orthodontics, Sorrento, Italy

12.-14.08.2020 CAD/CAM: the printed future in orthodontics, XVIII International Congress of Orthodontics, President Dr.Villa, Santiago, Chile

14.-18.09.2020 Keynote lecture: 3D metal printing in orthodontics, Polish orthodontic society meeting, President Ewa Czochrowska, Zoppot, Poland

16.-19.09.2020 Keynote lecture: Die digital gestützte Planung und Herstellung klassischer festsitzender und abnehmbarer kieferorthopädischer Apparaturen, DGKFO, President Prof.Lapatki, Ulm, Germany

05.-06.11.2020 Keynote lecture: The 3d metal printed appliance, Korean Association of Orthodontist, President Kim Seong-Hun, Seoul, Korea

27.-28.11.2020 The 3d printed orthodontic appliances, IOS Berlin, President Dr.Jan V.Reinmann, Berlin, Germany

9.-11.04.2021 Marpe: Non surgical palatal expansion supported by palatal screw, 6th Meeting FACE, Dr.R.Cocconi, Parma, Italy

02.-04.07.2021 3D metal printing in orthodontics, AOSC, Singapore, Singapore