

# Curriculum Vitae

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## 1. Date Prepared

December 2025

## 2. Academic & Professional Experience

2014 - Present      Private Practice of Radiology with emphasis on Guided Implant Surgery

2009 - 2020      Assistant Professor of Dental Medicine  
College of Dental Medicine of Columbia University, New York

2016 - 2019      Division Director of Oral & Maxillofacial Radiology  
Course Director of Oral & Maxillofacial Radiology  
College of Dental Medicine  
Columbia University in the City of New York

2009 - 2011      Director of Clinical Clerkships  
College of Dental Medicine  
Columbia University

2015 – 2023      Affiliate Assistant Professor of Oral Medicine  
School of Dentistry of the University of Washington - Seattle

1999 - 2013      Solo Private Practice of General Dentistry

1991 - 1994      Director, Anatomical Gift Program  
College of Physicians & Surgeons  
Columbia University in the City of New York

## 3. Specialty

Oral and Maxillofacial Radiology, Specialist  
Guided Surgery, Sub-specialist

#### **4. Research**

Bone density changes in HIV+ Post-menopausal Women  
NIH Grant 2017 - 2022 (see Publications list)

Assessment of Pink Neck Implant and Pink Abutments  
Columbia - Harvard combined project  
Keystone Dental (see Publications list)

Space Invariant Artificial Neural Networks for Neuroradiology

#### **5. Post-Graduate Training:**

The New York Hospital-Queens  
Cornell University  
General Practice Residency in Hospital Dentistry

University of Washington Medical Center  
Oral & Maxillofacial Radiology Specialty Training

#### **6. Education:**

School of Dental & Oral Surgery  
Columbia University in the City of New York  
Doctor of Dental Surgery awarded May 1998 - *sans baccalaurate*

Saint John's University, NYC, NY  
Baccalaureate candidate in Business & Philosophy  
1991-1994 - *sans ostium nito*

Columbia University in the City of New York  
Baccalaureate freshman year - *sans ostium nito*

#### **7. Professional organizations and societies:**

Fellow, American Academy of Implant Prosthodontics  
Fellow, International Congress of Oral Implantologists  
Member, European Federation of Organisations for Medical Physics (EFOMP)

## 8. 2025 Lecture Series

### **Part I - CBCT technology miniseries**

Basic Principles of CBCT scanning – 1 – Lecture 1

Basic Principles of CBCT scanning – 2 – Lecture 2

Advanced Principles of CBCT scanning – Basic Interpretation – Lecture 3

Incidental findings on CBCT scans – extracranial – Lecture 4

Incidental findings on CBCT scans – intracranial – Lecture 5

### **Part II - TMJ miniseries**

A synoptic review of the radiographic TMJ – radiographic findings on CBCT scans – Lecture 6

A synoptic review of the radiographic TMJ – clinical relevance of CBCT scans – Lecture 7

### **Part III - Guided Surgery miniseries**

Why Guided? - Lecture 8

5-Thread Rule, 3A2B & other numbers of the basic principles of Implantology – Lecture 9

Imaging requirements for Guided Surgery – Lecture 10

Planning workflow of Guided Surgery – Lecture 11

### **Part IV – Advanced clinical concepts**

Case-based presentation of dental patients with dysfunction of the  
autonomic, central and peripheral nervous systems.

Functional neuroanatomy will be discussed.

Eagle's Syndrome

Keratoconjunctivitis sicca

Crowned dens syndrome

Lingual nerve injury

TMJ pain with progressive deafness

Skull base lesion with strabismus

Pituitary macroadenoma

Osteosarcoma of the skull base

Inoperable brain tumor of dental origin leading to death

## Previous Lectures given

Incidental Findings on CBCT scans	Sympathetic & Parasympathetic Nervous Systems
CBCT in Implant Dentistry	
CBCT - Radiographic Anatomy	Diabetes - The Sixth Complication of Periodontal Disease
Anatomical Basis of Head & Neck Anesthesia	Cranial Osteology I & II
Nerves & Blood Vessels of the Skull Base	CBCT and panoramic Radiography

## 9. Other professional activities

Planning, designing and manufacturing of surgical guides  
Software - Blue Sky Plan, Implant Studio and coDiagnostiX  
2014 - Present

Book Reviewer, Thieme Publisher - 2013

Head & Neck Anatomy for Dental Medicine, 2nd Edition  
Baker, Scheunke, Schulte, Schumacher

Chief Editor, Columbia Dental Review, 1997-1998

Assistant Editor, Columbia Dental Review, 1996-1997

## 10. Speaking Engagements

Speaker - Greater New York Dental Meeting Nov 2019  
Topic - Guided Surgery (in Portuguese)

Organizer & Speaker

All on 4/6 & Guided full arch immediate implant reconstruction  
The AMA Executive Conference Center NYC Oct 2019

<https://www.kaplavieducation.com>

Speaker - CDE World / AEGIS - Downers Grove, IL Sep 2019  
Topic - CBCT Technology in the Private Practice

Speaker - CDE World / AEGIS - Tarrytown, NY Aug 2019

Topic - CBCT Technology in the Private Practice

Speaker - CDE World / AEGIS - Columbia, MD Jul 2019

Topic - CBCT Technology in the Private Practice

Speaker - CDE World / AEGIS - Santa Ana, CA Jun 2019

Topic - CBCT Technology in the Private Practice

Speaker - CDE World / AEGIS - Stamford, CT May 2019

Topic - CBCT Technology in the Dental Practice

Speaker - 9th District Dental Society of New York Mar 2019

Topic - Guided Implant Surgery & 3D Printing

Speaker - Greater New York Dental Meeting Dec 2018

Topic - Achados Incidentais em 6.000 CBCT scans (in Portuguese)

Speaker - Greater New York Dental Meeting Dec 2018

Topic - Hallazgos Incidentales en 6.000 CBCT scans (in Spanish)

Speaker - Greater New York Dental Meeting Dec 2018

Topic - Surgical Guide Planning, Design and Manufacturing

Panel Moderator - Greater New York Dental Meeting Dec 2018

Topic - 3D Printing and Digital Dentistry

Speaker - Greater New York Dental Meeting Nov 2016

Topic: Hallazgos Incidentales (in Spanish)

Speaker - Columbia Westchester Study Club Oct 2015

Topic: Incidentalomas - Incidental findings on 2,500 CBCT scans

Speaker - Columbia Long Island Study Club Sep 2015

Topic: Incidentalomas - Incidental findings on 2,500 CBCT scans

Speaker, 14th International Dental Conference Brasilia, Brazil Mar 2012

Topic: Periodontitis: The Sixth Complication of Diabetes Mellitus (in Portuguese)

Speaker, Uninga University - Brasilia, Brazil Mar 2012

Topic: Implant Therapy in Diabetic Patients (in Portuguese)

## 11. Publications:

Cleber Silva, DDS. A Synoptic Review of Peri-implantitis. Authorea August 06, 2025. DOI 10.22541/au.175458664.43680357/v1

Cleber Silva, DDS. A Synoptic Review of Static, Freehand and Dynamic Guided Surgery. Authorea August 06, 2025. DOI 10.22541/au.175449164.49354527/v1

Cleber Silva, DDS. A Synoptic Review of the Radiographic TMJ. Authorea. Aug 04 2025. DOI: 10.22541/au.175433457.72147197/v1

Accepted for publication by Journal of Cosmetic Dentistry: Three-year multicenter case-series of “Pink-Neck” Implants Part I. Immediate Implant placement. Saito, **Silva**, Tarnow

Under Editorial Review by Clinical Advances in Periodontics: Three-year clinical and radiographic evaluation of an innovative self-tapping tapered “pink-neck” implant” multicenter case series. Saito, Polack, Scheyer, McGuire, Murphy, Zadeh, Paquette, Sheets, Wu, Mandelaris, Torosian, **Silva**, de Angelo, Tarnow

Wadhwa S, Levit M, Matsumura S, Hsieh SJ, Kister K, **Cleber Silva**, Shah J, Cantos A, Bohn B, Demmer RT, Yin MT. Evaluation of the Mandibular Condylar Bone Microarchitecture in People Living with HIV (PLWH). Oral Diseases – Online on June 20, 2023. Doi:10.1111/odi.14651

Levit M, Wadhwa S, Yin MT, Matsumura S, Hsieh SJ, Kister K, **Cleber Silva**, Shah J, Cantos A, Bohn B, Demmer RT. Evaluation of the Mandibular Condylar Bone Microarchitecture in People Living with HIV (PLWH). Journal of Bone and Mineral Research 38:268-269 (2023)

Gil MS, Ishikawa-Nagai S, Elani HW, da Silva JD, Kim DM, Tarnow D, Schulze-Spate U, **Cleber S**, Bittner N. Comparison of the color appearance of peri-implant soft tissue with natural gingiva using anodized pink-neck implants and pink abutments. A prospective clinical trial. International Journal of Oral Maxillofacial Implants. 2019 May-June;34(3):752-758. doi:10.11670/jomi.6318

Bittner N, Schulze-Spate U, **Silva C**, da Silva J, Kim DM, Tarnow D, Gil MS, Ishikawa-Nagai S. Changes of the Alveolar Ridge Dimension and Gingival Recession Associated with Implant Position and Tissue Biotype With Immediate Implant Placement: A Randomized Controlled Clinical Trial. International Journal of Oral Implantology (New Malden)2019;12(4):469-480

Bittner N, Schulze-Spate U, **Cleber S**, da Silva JD, Kim DM, Tarnow D, Ishikawa-Nagai S, Gil MS. Comparison of Peri-Implant Soft Tissue Color With the Use of Pink-Neck Versus Gray Implants and Abutments Based on Soft Tissue Thickness: A 6-Month Follow-up Study. *International Journal of Prosthodontics* 2020 Jan/Feb; 33(1): 29-38.  
doi: 10.11670/ijp.6205

**Silva, C**, DiRienzo, S, Serman, N (1997). Cleidocranial Dysostosis: A Case Report. *Columbia Dental Review* 2: 26.

Sussman HI, Springs P, Perrino M, **Silva C**, Volker A. Asymmetric Condylar Osteoarthritis: A Case Report. *NYS AGD GP Spring* 2020

Submitted to *Clinical Advances in Periodontics* - 2019

*A Successful Management of Atypical Sinus Augmentation with Digital Planning and 3D Printing Technology*  
Georgiadis J, **Silva CP**, Kang, P

Submitted to *Journal of Dental Research* April 2020

*Saliva Microbiome Dysbiosis in People Living with HIV with Self-Reported Temporomandibular Disease.* Karolina Kister PhD, DMD, Medini Annajhavalala, **Cleber Silva, DDS**, Anyelina Cantos, Jayesh Shah, Anne C. Uhlemann, Michael T. Yin MD, MS, Sunil Wadhwa, DDS, PhD

Submitted to the *American Journal of Neuroradiology* – 2019

*Panoramic dental reconstruction for faster detection of dental pathology on medical non-dental CT scans: a proof of concept from CT neck soft tissue*  
Stember J, **Silva CP**

Presented at the IADR - International Association of Dental Research 2020

*Evaluation of Periodontal Disease and Alveolar Bone Loss in Women with HIV*  
Wadhwa S, Kister K, Shah J, Noh S, Cantos A, **Silva CP**, Besmer A, Ramon C, Grbic J, Lalla E, Hu T, Demmer RT, Yin MT

Presented at the American Society of Neuroradiology 2019 Annual Meeting

*Convolutional Neural Networking of Maxillofacial Panoramic Images from MDCT scans*  
Stember JN, MD, PhD, Perez E, MD, Moonis G, MD, **Silva, C DDS**

Presented at the Greater New York Dental Meeting 2018

*CBCT scan evaluation of surgical bone regeneration: A case report.*  
Mariano JR, Petronilho VG, **Silva C.**

Presented at the American Academy of Oral & Maxillofacial Surgery 2016  
*Is Diagonal Ear Lobe Crease Associated with Carotid Calcifications on Cone Beam Computed Tomography-*  
Bienstock DA, Goodenough M, **Silva C**, Ferguson B

## **12. Awards**

Finalist, 2013 Presidential Teaching Awards of Columbia University (12 of 4,000);

Faculty Excellence Award for Outstanding Clinical Knowledge, Communication & Teaching.  
Presented by the Class of 2014 of the College of Dental Medicine in June 2012 (3 of 420);

Faculty Excellence Award for Outstanding Clinical Knowledge, Communication & Teaching.  
Presented by the Class of 2013 of the College of Dental Medicine in May 2011 (3 of 420)

## **13. Languages**

Portuguese - native

English - fluent

Spanish - semi-fluent

## **14. Licenses**

NY Dentist 047958

NJ Dentist 20885

NJ Specialty 06572

PA Dentist 037741 (expired)

All licenses without Board action

## **15. Software expertise**

InVivo by Osteoid

Implant Studio by 3Shape

CoDiagnostiX by Straumann

Blue Sky Plan

OnDemand

## **16. Invention**

Methods and systems for simulating an x-ray dental image – US201361871747P

Funded by the University of Washington 2013 – 2015

## 17. Case count

CBCT interpretations	17,000+
Guided implant surgical plannings	23,000+
Guides manufactured in house	4,000+
Number of surgical cases with reported adverse event	0