

Curriculum Vitae



NAME: **ALEXANDRE ANESI**
DATE OF BIRTH: 2nd August 1978
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WORK ADDRESS: Assistant Professor, Maxillo-facial Surgery
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University education and academic degrees

1997-2003 Medicine and Surgery, "Università degli Studi di Verona", Verona, Italy
2003-2008 Specialization in Maxillo-facial Surgery, "Università degli Studi di Verona", Verona, Italy

Professional career

2008 – today Assistant Professor in Maxillo-facial Surgery, "Università degli Studi di Modena e Reggio Emilia"
2012-2019 Member of the Board of the Laboratory Animal Services Center "Centro Servizi Stabulario Interdipartimentale (CSSI) di Modena; Università degli Studi di Modena e Reggio Emilia"
2012-today Scientific Director of Biomaterials Laboratory - Department of Medical and Surgical Sciences for Children & Adults, "Università degli Studi di Modena e Reggio Emilia"

Service to the scientific community

2019-today Associate Editor in MINERVA STOMATOLOGICA, [Journal of Odontostomatology and Maxillofacial Surgery, Official Journal of the Italian Society of Odontostomatology and Maxillofacial Surgery (SIOCMF)] Rivista di Odontostomatologia e Chirurgia Maxillo-Facciale, Organo Ufficiale della Società Italiana di Odontostomatologia e Chirurgia Maxillo-Facciale (SIOCMF). pISSN 0026-4970. eISSN 1827-174X

Publications

- Rogers SN, Alvear A, **Anesi A**, Babin E, Balik A, Batstone M, Brockmeyer P, Carrasco CC, Chien CY, Chirila M, Dholam KP, Doss JG, Finizia C, Ghani WMN, Gurav SV, Kadir K, Kolator M, Lima R, Lin YT, Nhongo S, Ozdemir-Karatas M, Peker K, Pesic Z, Ransy P, Santos I, Schliephake H, Shah K, Souza F, Sunil G, Thankappan K, Ehrsson YT, Tiple C, Tuomi L, Valerini S, Lara PV, Zatoński T, Lowe D. *Variations in concerns reported on the patient concerns inventory in patients with head and neck cancer from different health settings across the world*. *Head Neck*. 2020 Mar;42(3):498-512. doi: 10.1002/hed.26027. Epub 2019 Dec 13.
- **Anesi A**, Negrello S, Lucchetti D, Pollastri G, Trevisiol L, Badiali L, Lazzarini A, Cavallini GM, Chiarini L. *Clinical Management of Acinic Cell Carcinoma of the Lacrimal Gland*. *Case Rep Oncol*. 2019 Oct 16;12(3):777-790. doi: 10.1159/000503557. eCollection 2019 Sep-Dec.
- Baccarani A, Starmoni M, Zaccaria G, **Anesi A**, Benanti E, Spaggiari A, De Santis G. *Obturator Nerve Split for Gracilis Free-flap Double Reinnervation in Facial Paralysis*. *Plast Reconstr Surg Glob Open*. 2019 Jun 19;7(6):e2106. doi: 10.1097/GOX.0000000000002106. eCollection 2019 Jun.
- **Anesi A**, Generali L, Sandoni L, Pozzi S, Grande A. *From Osteoclast Differentiation to Osteonecrosis of the Jaw: Molecular and Clinical Insights*. *Int J Mol Sci*. 2019 Oct 4;20(19). pii: E4925. doi: 10.3390/ijms20194925. Review.
- Bellucci D, Salvatori R, Giannatiempo J, **Anesi A**, Bortolini S, Cannillo V. *A New Bioactive Glass/Collagen Hybrid Composite for Applications in Dentistry*. *Materials (Basel)*. 2019 Jun 28;12(13). pii: E2079. doi: 10.3390/ma12132079.
- Malavasi G, Salvatori R, Zambon A, Lusvardi G, Rigamonti L, Chiarini L, **Anesi A** *Cytocompatibility of Potential Bioactive Cerium-Doped Glasses based on 45S5*. *Materials (Basel)*. 2019 Feb 16;12(4). pii: E594. doi: 10.3390/ma12040594.
- Bellucci D, Salvatori R, **Anesi A**, Chiarini L, Cannillo V. *SBF assays, direct and indirect cell culture tests to evaluate the biological performance of bioglasses and bioglass-based composites: Three paradigmatic cases*. *Mater Sci Eng C Mater Biol Appl*. 2019 Mar;96:757-764. doi: 10.1016/j.msec.2018.12.006. Epub 2018 Dec 4.
- Chiarini L., **Anesi A.**, Negrello S. (2019) Mandible: Lateral, Hemimandibular, Anterior. In: De Santis G., Cordeiro P., Chiarini L. (eds) Atlas of Mandibular and Maxillary Reconstruction with the Fibula Flap. Springer, Cham. https://doi.org/10.1007/978-3-030-10684-3_5
- Nocini P.F., **Anesi A.**, Chiarini L. (2019) Second Vascularized Fibula Flap and Osteotomy to Correct Malocclusion. In: De Santis G., Cordeiro P., Chiarini L. (eds) Atlas of Mandibular and Maxillary Reconstruction with the Fibula Flap. Springer, Cham. https://doi.org/10.1007/978-3-030-10684-3_13
- Nocini P.F., **Anesi A.**, Fior A. (2019) Bone Augmentation. In: De Santis G., Cordeiro P., Chiarini L. (eds) Atlas of Mandibular and Maxillary Reconstruction with the Fibula Flap. Springer, Cham. https://doi.org/10.1007/978-3-030-10684-3_7

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- Chiarini L., **Anesi A.**, Negrello S. (2019) Technique. In: De Santis G., Cordeiro P., Chiarini L. (eds) Atlas of Mandibular and Maxillary Reconstruction with the Fibula Flap. Springer, Cham. https://doi.org/10.1007/978-3-030-10684-3_11
- **Anesi A.**, Negrello S., Chiarini L. (2019) Evolution in Indication. In: De Santis G., Cordeiro P., Chiarini L. (eds) Atlas of Mandibular and Maxillary Reconstruction with the Fibula Flap. Springer, Cham. https://doi.org/10.1007/978-3-030-10684-3_8
- Fior A., **Anesi A.**, Nocini P.F. (2019) Evolution in Bone Synthesis. In: De Santis G., Cordeiro P., Chiarini L. (eds) Atlas of Mandibular and Maxillary Reconstruction with the Fibula Flap. Springer, Cham. https://doi.org/10.1007/978-3-030-10684-3_10
- Chiarini L, **Anesi A**, Negrello S (2019). Linfadenectomia sovraomioidea. In: (a cura di): Società Italiana di Chirurgia Maxillo-facciale (SICMF), Trattato di tecnica chirurgica maxillo-facciale (Vol. 2).. p. 75-84, Napoli:Edizioni Idelson Gnocchi 1908 srl, ISBN: 9788879476935
- Bellucci D, Cannillo V, **Anesi A**, Salvatori R, Chiarini L, Manfredini T, Zaffe D. *Bone Regeneration by Novel Bioactive Glasses Containing Strontium and/or Magnesium: A Preliminary In-Vivo Study*. Materials (Basel). 2018 Nov 8;11(11). pii: E2223. doi: 10.3390/ma11112223.
- Marella GL, Raschella F, Solinas M, Mutolo P, Potenza S, Milano F, Mauriello S, Caggiano B, Rondinelli P, **Anesi A**, Migaldi M *The diagnostic delay of oral carcinoma*. Ig Sanita Pubbl. 2018 May-Jun;74(3):249-263.
- Bellucci, D.; Salvatori, R.; Cannio, M.; Luginina, M.; Orrù, R.; Montinaro, S.; **Anesi, A.**; Chiarini, L.; Cao, G.; Cannillo, V. (2018) - *Bioglass and bioceramic composites processed by Spark Plasma Sintering (SPS): biological evaluation Versus SBF test* - Biomedical Glasses - n. volume 4 - pp. da 21 a 31 ISSN: 2299-3932
- **Anesi A**, Ferretti M, Cavani F, Salvatori R, Bianchi M, Russo A, Chiarini L, Palumbo C.- *Structural and ultrastructural analyses of bone regeneration in rabbit cranial osteotomy: Piezosurgery versus traditional osteotomes*. - J Craniomaxillofac Surg. 2018 Jan;46(1):107-118. doi: 10.1016/j.jcms.2017.10.004. Epub 2017 Oct 12.
- Bellucci D, **Anesi A**, Salvatori R, Chiarini L, Cannillo V. *A comparative in vivo evaluation of bioactive glasses and bioactive glass-based composites for bone tissue repair*. Materials Science and Engineering C, 2017, 79, 1, pp. 286-295.
- Bellucci, Devis; Sola, Antonella; Salvatori, Roberta; **Anesi**, Alexandre; Chiarini, Luigi; Cannillo, Valeria (2017) - *Role of magnesium oxide and strontium oxide as modifiers in silicate-based bioactive glasses: Effects on thermal behaviour, mechanical properties and in-vitro bioactivity* - Materials Science And Engineering. C, Biomimetic Materials, Sensors And Systems - n. volume 72 - pp. da 566 a 575 ISSN: 0928-4931 [
- Bellucci, Devis; Sola, Antonella; **Anesi**, Alexandre; Salvatori, Roberta; Chiarini, Luigi; Cannillo, Valeria (2015) - *Bioactive glass/hydroxyapatite composites: Mechanical properties and biological evaluation* - Materials Science And Engineering. C, Biomimetic Materials, Sensors And Systems - n. volume 51 - pp. da 196 a 205 ISSN: 0928-4931
- Pozzi S.; **Anesi A.**; Generali L.; Bari A.; Consolo U.; Chiarini L. (2014) - *Bisphosphonate-Related Osteonecrosis of the Jaw (BRONJ) (Complications in Endodontic Surgery)* (Igor Tthesis Tel Aviv ISR) - pp. da 153 a 165 ISBN: 9783642542176; 9783642542183 | 9783642542183 [Contributo in volume

- Reggiani Bonetti L; Migaldi M; Boninsegna A; Fanali C; Farina M; Chiarini L; **Anesi A**; Cittadini A; Leocata P; Maccio L and Sgambato A (2014) - *Expression of CD133 Correlates with Tumor Stage, Lymph Node Metastasis and Recurrence in Oral Squamous Cell Carcinoma* - Journal of Cancer Science & Therapy - n. volume 06 - pp. da 94 a 98 ISSN: 1948-5956
- Bellucci, Devis; Sola, Antonella; Salvatori, Roberta; **Anesi, Alexandre**; Chiarini, Luigi; Cannillo, Valeria (2014) - *Sol-gel derived bioactive glasses with low tendency to crystallize: synthesis, post-sintering bioactivity and possible application for the production of porous scaffolds*. - Materials Science And Engineering, C, Biomimetic Materials, Sensors And Systems - n. volume 43 - pp. da 573 a 586 ISSN: 0928-4931
- Luigi Chiarini; Massimo Albanese; Alexandre **Anesi**; Pier-Francesco Galzignato; Carmen Mortellaro; Pierfrancesco Nocini; Dario Bertossi (2014) - *Surgical Treatment of Unilateral Condylar Hyperplasia With Piezosurgery* - THE JOURNAL OF CRANIOFACIAL SURGERY - n. volume 25 - pp. da 808 a 810 ISSN: 1049-2275
- **Anesi** (2013) - *Commentary to: An aggressive ameloblastic fibroma in a 9-year-old child treated with buccal fat graft (- An aggressive ameloblastic fibroma in a 9-year-old child treated with buccal fat graft)* -o- n. volume 2 - pp. da 85 a 86 ISSN: 2278-9588
- A.C. Salgarelli; **A. Anesi**; P. Bellini; G. Pollastri; D. Tanza ; S. Barberini; L. Chiarini (2013) - *How to improve retromandibular transmasseteric anteroparotid approach for mandibular condylar fractures: our clinical experience* - International Journal Of Oral And Maxillofacial Surgery - n. volume 42 (4) - pp. da 464 a 469 ISSN: 0901-5027
- Bedogni, Alberto; **Anesi, Alexandre**; Fior, Andrea; Bettini, Giordana; Nocini, Pier Francesco (2013) - *Microsurgical reconstruction of the mandible in a patient with Evans syndrome: a case report and review of the literature* - Journal of Reconstructive Microsurgery - n. volume 29 - pp. da 545 a 550 ISSN: 0743-684X
- **Anesi; L. Chiarini** (2013) - *Retrospective analysis of orbital floor fracture: our clinical experience* - Rivista Italiana Di Chirurgia Maxillo-Facciale - n. volume 24, No. 2 - pp. da 63 a 68 ISSN: 1120-7558
- **Anesi A**; Pollastri G; Bondì V; Barberini S; Chiarini L (2012) - *Absence of adjuvant radiotherapy may be an additional criteria in diagnosing a branchiogenic squamous cell carcinoma: a case report* - Open Journal of Stomatology - n. volume 2 - pp. da 64 a 68 ISSN: 2160-8717
- Salgarelli AC; Bellini P; Magnoni C; **Anesi A**; Collini M. (2011) - *Synergistic Use of Local Flaps for Total Lower Lip Reconstruction* - Dermatologic Surgery - n. volume 37 - pp. da 1666 a 1670 ISSN: 1076-0512
- Giannone N.; **Anesi A.**; Ciavarella D.; La Torretta G.; Di Libero C. (2008) - *Cyanoacrylates in oral surgery. I cianoacrilati in chirurgia orale*. - Italian Oral Surgery - n. volume 2 - pp. da 23 a 23 ISSN: 1827-2452
- Baldisserri E.; De Santis D.; Malchiodi L.; Ferrari F.; Ruscitti F.; Guarnieri B.; **Anesi A.** (2006) - *Osteotomes in preprosthetic surgery; Gli osteotomi in chirurgia pre-protetica -Parte II* - Implantologia Dentale & Parodontologia - n. volume 3,1 - pp. da 22 a 29
- De Santis, D.; Baldisserri, E.; **Anesi, A.**; Baltieri, A.; Fior A.; Guarnieri, B; Ruscitti, F. (2006) - *Biomaterials for bone regeneration; I biomateriali per la rigenerazione ossea - Parte II* - Implantologia Dentale & Parodontologia - n. volume 3 - pp. da 12 a 21
- Baldisserri E.; de Santis D.; Malchiodi L.; Ferrari F.; Ruscitti F.; Guarnieri B.; **Anesi A.** (2005) - *Osteotomes in preprosthetic surgery; Gli osteotomi in chirurgia preprotetica -Parte I* - Implantologia Dentale & Parodontologia - n. volume 2-5 - pp. da 287 a 292 [

- De Santis D.; Baldisserri E.; **Anesi A.**; Procacci P.; Ferrari F.; Guarnieri B.; Ruscitti F. (2005) - *Biomaterials for bone regeneration; I biomateriali per la rigenerazione ossea -Parte I - Implantologia Dentale & Parodontologia* - n. volume 2-5 - pp. da 254 a 256

Reasearch Projects

- 2013-2016 Project leader in multidisciplinary team on animal model: "Evaluation of the biocompatibility in vitro and in vivo of biomaterials, nanomaterials and scaffolds".
- 2015-2017 (Funded Project) Project leader in "Structural and ultrastructural analyses of bone regeneration in rabbit cranial osteotomy: Piezosurgery versus traditional osteotomes".
- 2016-2019 (Funded Project) Project leader in multidisciplinary team: "Morphological study and structural analysis of the surface of cut with Piezosurgery® Medical and Plus (Mectron) in the microvascular flap of the human fibula dedicated to the reconstruction of maxillo-facial defects.
- 2017-2018 Project leader: "The processes behind diagnostic delay in oral cancer " – Prot. RQ-Oral Cancer".
- 2018-2019 Local investigator in "Patient Concerns Inventory- Head and Neck (PCI_NH) across different health economies". Main research centre: Edge Hill University, Evidence-Based Practice Research Centre (EPRC), Ormskirk, Lancashire, L39 4QP, Regno Unito.
- 2018-today Project leader in multidisciplinary team on animal model: "Evaluation of the biocompatibility in vitro and in vivo of bioceramics "
- 2020-today (Funded Project) Deep-learning for automated detection of the inferior alveolar nerve canal in cone beam computed tomography (CBCT)

Invited Speaker

- 2013 Invited Lecture: "Bone substitutes in maxillo-facial surgery" in " Symposium on Materials for Biomedical Applications/Bioceramics " promoted by Associazione Villa Vigoni, 4 April 2013, Menaggio-Como, ITALY
- 2019 Selected Free Papers: "Endosseous dental implants in the vascularized fibula flap" in "WSRM2019 10th Congress of World Society for Reconstructive Microsurgery 12th - 15th June 2019, Bologna, Italy.

Interests

Bioceramics based bone grafting materials for regenerative biomedicine. Bioceramics biocompatibility through in vitro /cytotoxicity assays, and /in vivo /implantation in animal model. Bone cutting device evaluation, both for rotatory instruments and piezosurgical osteotomes. Microsurgical flap reconstruction for head & neck defects. Head & Neck surgical oncology.