

Estudio Propio: **MÁSTER EN IMPLANTOLOGÍA Y REHABILITACIÓN**

Código Plan de Estudios: **EO58**

Año Académico: **2021-2022**

| <b>ESTRUCTURA GENERAL DEL PLAN DE ESTUDIOS:</b> |              |                |           |                |                    |                      |                  |
|---|--------------|----------------|-----------|----------------|--------------------|----------------------|------------------|
| CURSO   | Obligatorios |                | Optativos |                | Prácticas Externas | TFM/Memoria/Proyecto | Créditos Totales |
|   | Créditos     | Nº Asignaturas | Créditos  | Nº Asignaturas | Créditos           | Créditos             |                  |
| 1º  | 60           | 3              |           |                |                    |                      | 60               |
| 2º  | 51           | 3              |           |                |                    | 9                    | 60               |
| 3º  |              |                |           |                |                    |                      |                  |
| <b>ECTS TOTALES</b>                             | <b>111</b>   | <b>6</b>       |           |                |                    | <b>9</b>             | <b>120</b>       |

| <b>PROGRAMA TEMÁTICO:</b>                      |       |                                    |                |          |
|--|-------|------------------------------------|----------------|----------|
| <b>ASIGNATURAS OBLIGATORIAS</b>                |       |                                    |                |          |
| Código Asignatura                              | Curso | Denominación                       | Carácter OB/OP | Créditos |
| 702910   | 1     | PATOLOGÍA QUIRÚRGICA BUCOFACIAL I  | OB             | 27       |
| 702911   | 1     | IMPLANTOLOGÍA I                    | OB             | 21       |
| 702912   | 1     | PRÓTESIS SOBRE IMPLANTES I         | OB             | 12       |
| 702913   | 2     | PATOLOGÍA QUIRÚRGICA BUCOFACIAL II | OB             | 9        |
| 702914   | 2     | IMPLANTOLOGÍA II                   | OB             | 26       |
| 702915   | 2     | PRÓTESIS SOBRE IMPLANTES II        | OB             | 16       |
| <b>TRABAJO FIN DE MÁSTER/MEMORIA /PROYECTO</b> |       |                                    |                |          |
| Código Asignatura                              | Curso | Denominación                       | Carácter OB/OP | Créditos |
| 705955   | 2     | TRABAJO FIN DE MÁSTER              | OB             | 9        |

Carácter: OB - Obligatoria; OP – Optativa

## GUÍA DOCENTE

|                                 |   |                |
|---------------------------------|---|----------------|
| Año académico                   | 2021-2022                                       |                |
| Estudio                         | Máster en Implantología y Rehabilitación (EO58) |                |
| Nombre de la asignatura         | PATOLOGÍA QUIRÚRGICA BUCOFACIAL I               |                |
| Carácter (Obligatoria/Optativa) | OB  |                |
| Créditos (1 ECTS=25 horas)      | 27  |                |
| Modalidad (elegir una opción)   |   | Presencial     |
|                                 | X   | Semipresencial |
|                                 |   | On-line        |
| Profesor responsable            | José Vicente Saz Pérez                          |                |
| Idioma en el que se imparte     | Español   |                |

### PROFESORES IMPLICADOS EN LA DOCENCIA

María Andrés Veiga / Julia Bujan Varela / Angel Asunsolo del Barco / Armando Badet Mena / M<sup>a</sup> Jesús Suarez García / Juan Santos Marino / Carlos López Suarez / Antonio Juan Flichy Fernández / Holmes Ortega / Cristina Martín Muñoz / Jorge Cortes-Breton Brinkmann / Loreto Quiroga Soriano Lucia Gutiérrez Sánchez / Pedro Ruiz Saenz / Oriol Prado Gómez / Beatriz Vizoso Noval / Natalia Martínez Rodriguez / Esther Cañaverl /

### DISTRIBUCIÓN DE CRÉDITOS (especificar en horas)

|  |     |
|--|-----|
| Número de horas presenciales/on-line asistencia profesor | 270 |
| Número de horas de trabajo personal del estudiante       | 405 |
| Total horas  | 675 |

### CONTENIDOS (Temario)

Diagnostico en cirugía, anatomía aplicada, anestesia, reanimación, urgencias, farmacología, cirugía dentoalveolar, infecciones bucales y maxilofaciales.

### EVALUACIÓN

Asistencia. Evaluación de casos clínicos en Sesiones Clínicas. Evaluación de Práctica Clínica sobre pacientes reales. Exámenes. Evaluación de trabajos, Exposiciones y Congresos.

## BIBLIOGRAFÍA

- Cirugía bucofacial. Patología y técnica. Manuel Donado Rodriguez
- Tratado de cirugía bucal. Tomol. Gay Escoda. 2004.
- Tratado de cirugía bucal. Leonardo Berini.
- Farmacología en odontología. Fundamentos. Panamericana 2008. Tripathi
- Anestesia Local en Odontología. Peñarocha , Martinez-Gonzalez, Bielsa.
- Effect of a Connective Tissue Graft in Combination With a Single Flap Approach in the Regenerative Treatment of Intraosseous Defects.Trombelli L, et al. J Periodontol. 2017
- Primary sinonasal mucosal melanoma simulated as cystic lesions: a case report.Shin SH, et al. J Korean Assoc Oral Maxillofac Surg. 2018
- Explorative study on mucosal and major salivary secretion rates, caries and plaque microflora in head and neck cancer patients.Almståhl A, et al. Int J Dent Hyg. 2018
- Differential expression of organic cation transporter 3 in oral submucous fibrosis-associated buccal squamous cell carcinoma.Hu Y, et al. Oral Surg Oral Med Oral Pathol Oral Radiol. 2018
- Surgical Resection of Vascular Lesions Involving the Buccal Fat Pad.Baldin AV, et al. J Craniofac Surg. 2018
- In-vitro evaluation of controlled-release 14% doxycycline gel for decontamination of machined and sandblasted acid-etched implants.Patianna G, et al. J Periodontol. 2018
- Correlation between fasting blood sugar and cytomorphometric values of diabetic patient's buccal mucosa exfoliative cytology.Agrawal R, et al. J Cancer Res Ther. 2018
- Brief electrical stimulation and synkinesis after facial nerve crush injury: a randomized prospective animal study.Mendez A, et al. J Otolaryngol Head Neck Surg. 2018
- Equine cheek teeth occlusal fissures: prevalence, association with dental wear abnormalities and occlusal angles.Pollaris E, et al. Equine Vet J. 2018
- Canine and Premolar Root Dimensions in Chinese. A Reference for Osteodontokeratoprosthesis Surgery.Sun SY, et al. Asia Pac J Ophthalmol (Phila). 2018
- Patient-Side Appraisal of Late Radiation-Induced Oral Microvascular Changes.Helmerts R, et al. Int J Radiat Oncol Biol Phys. 2018
- Effect of warming anesthetic on pain perception during dental injection: a split-mouth randomized clinical trial.Aravena PC, et al. Local Reg Anesth. 2018
- So-called "bad split" may not be "bad" when the split is on the buccal side: technical note.Matsushita K, et al. Br J Oral Maxillofac Surg. 2018
- Interdisciplinary treatment for a compensated Class II partially edentulous malocclusion: Orthodontic creation of a posterior implant site.Chiu G, et al. Am J Orthod Dentofacial Orthop. 2018
- Evaluation of the chemopreventive effects of Ankaferd Bloodstopper in 7,12-dimethylbenz[a]anthracene-induced oral epithelial dysplasia.Ozle M, et al. Clin Oral Investig. 2018
- Removal of Maxillary Sinus Antrolith and Concomitant Intrasinus Augmentation.Rahpeyma A, et al. J Craniofac Surg. 2018
- Reconstruction of Thin and Pliable Oral Mucosa After Wide Excision of Oral Cancer Using a Trimmed Anterolateral Thigh Free Flap as an Adipofascial Flap.Kim DY, et al. J Craniofac Surg. 2018
- Clinical evaluation of Class II and Class III gingival recession defects of maxillary posterior teeth treated with pedicled buccal fat pad: A pilot study.Deepa D, et al. Dent Res J (Isfahan). 2018
- Buccal space malignancy in the setting of chronic sialadenitis: A report of 2 cases.Bryant LM, et al. Ear Nose Throat J. 2018
- Surgery without papilla incision: tunneling flap procedures in plastic periodontal and implant surgery. Zuhr O, et al. Periodontol 2000. 2018
- Accidental local infiltration of formalin into the buccal mucosa: A case report and review of the literature.Sarode SC, et al. Clin Pract. 2018
- Oral lymphangiomas - clinical and histopathological relations: An immunohistochemically analyzed case series of varied clinical presentations.Kolay SK, et al. J Oral Maxillofac Pathol. 2018
- Simple Technique for Reducing the Buccal Fat Pad During Mandibular Orthognathic Surgery.Kawase-Koga Y, et al. J Craniofac Surg. 2018
- Surgical Treatment for Extracapsular Condylar Fractures of the Mandible.Closs Ono MC, et al. J Craniofac Surg. 2018
- [Endoscopy-assisted sialodochoplasty for the treatment of severe sialoduct stenosis].Zhang YQ, et al. Beijing Da Xue Xue Bao Yi Xue Ban. 2018. Article in Chinese.

- Contour Restoration of Over-Resected Mandibular Angle and Lower Border by Reduction Mandibuloplasty Using Three-Dimensional Planning and Computer-Aided Design and Manufacturing Custom-Made Titanium Implants. Woo JM, et al. *J Craniofac Surg*. 2018
- Effect of collagenase concentration on the isolation of small adipocytes from human buccal fat pad. Tsurumachi N, et al. *J Oral Sci*. 2018
- Dysplastic features relevant to malignant transformation in atrophic epithelium of oral submucous fibrosis: A preliminary study. Sarode SC, et al. *J Oral Pathol Med*. 2018
- Epicrestal and subcrestal placement of platform-switched implants: 18 month-result of a randomized, controlled, split-mouth, prospective clinical trial. Froum SJ, et al. *Clin Oral Implants Res*. 2018
- Intraoral Dissection of the Mimetic Muscles: Application to Dentistry and Oral Surgery. Iwanaga J, et al. *Cureus*. 2017
- Hinge Flap with Triangular Extension for Reconstruction of Pharyngocutaneous and Laryngocutaneous Fistulas. Azuma R, et al. *Plast Reconstr Surg Glob Open*. 2018
- Clinical effect of platelet-rich fibrin on the preservation of the alveolar ridge following tooth extraction. Zhang Y, et al. *Exp Ther Med*. 2018
- Applications of a modified palatal roll flap in peri-implant soft-tissue augmentation - A case series. Kulkarni MR, et al. *J Indian Soc Periodontol*. 2017
- A new procedure for processing extracted teeth for immediate grafting in post-extraction sockets. An experimental study in American Fox Hound dogs. Calvo-Guirado JL, et al. *Ann Anat*. 2018
- Re: Lee C. Zhao, Aaron C. Weinberg, Ziho Lee, et al. Robotic Ureteral Reconstruction Using Buccal Mucosa Grafts: A Multi-institutional Experience. *Eur Urol*. In press. <http://doi.org/10.1016/j.eururo.2017.11.015>: Robotic Ureteral Reconstruction with Buccal Mucosal Graft: A Call Not To Lose Momentum. Gheza F, et al. *Eur Urol*. 2018
- The split hypoglossal nerve versus the cross-face nerve graft to supply the free functional muscle transfer for facial reanimation: A comparative study. Amer TA, et al. *J Plast Reconstr Aesthet Surg*. 2018
- Genetic and epigenetic alterations in the tumour, tumour margins, and normal buccal mucosa of patients with oral cancer. Eljabo N, et al. *Int J Oral Maxillofac Surg*. 2018
- Ideal Versus Late Secondary Alveolar Bone Graft Surgery: A Bone-Thickness Cone-Beam Computed Tomographic Assessment. Garcia MA, et al. *Cleft Palate Craniofac J*. 2018
- Time-resolved fluorescence spectroscopy for the diagnosis of oral lichen planus. Gorpas D, et al. *Clin Exp Dermatol*. 2018
- [Correlation of perceptive temperature threshold of oral mucosa and sympathetic skin response]. Wang ZG, et al. *Zhonghua Kou Qiang Yi Xue Za Zhi*. 2018. Article in Chinese.
- Buccal mucosa cell damage in individuals following dental X-ray examinations. Li G, et al. *Sci Rep*. 2018
- Physical properties of root cementum: Part 26. Effects of micro-osteoperforations on orthodontic root resorption: A microcomputed tomography study. Chan E, et al. *Am J Orthod Dentofacial Orthop*. 2018
- Comparison of the Effects of Ultrasonic and Conventional Surgery on the Neurosensory Disturbance After Bilateral Sagittal Split Osteotomy. Kokuryo S, et al. *J Oral Maxillofac Surg*. 2018
- Endoscope-assisted conservative resection and reconstruction in recurrent subglottic carcinoma. Joseph ST, et al. *Head Neck*. 2018
- Is Inferior Alveolar Nerve Block Sufficient for Routine Dental Treatment in 4- to 6-year-old Children? Pourkazemi M, et al. *Int J Clin Pediatr Dent*. 2017
- Laser-assisted lip repositioning surgery: Novel approach to treat gummy smile. Farista S, et al. *J Indian Soc Periodontol*. 2017
- Buccal fat pad and subperiosteal midface lifts in conjunction with open reduction and internal fixation to treat fractures of the zygomaticomaxillary complex. Bottini GB, et al. *Br J Oral Maxillofac Surg*. 2018
- Effect of neoadjuvant chemotherapy and its correlation with HPV status, EGFR, Her-2-neu, and GADD45 expression in oral squamous cell carcinoma. Pandey M, et al. *World J Surg Oncol*. 2018
- The hypospadias classification affected the surgical outcomes of staged oral mucosa graft urethroplasty in hypospadias reoperation: An observational study. Zheng D, et al. *Medicine (Baltimore)*. 2017
- Lateral Ramus Cortical Bone Plate in Alveolar Cleft Osteoplasty with Concomitant Use of Buccal Fat Pad Derived Cells and Autogenous Bone: Phase I Clinical Trial. Khojasteh A, et al. *Biomed Res Int*. 2017
- Bone Lid Technique Using a Piezoelectric Device for the Treatment of a Mandibular Bony Lesion. Younes R, et al. *Case Rep Dent*. 2017
- Integration of Oncogenes via Sleeping Beauty as a Mouse Model of HPV16+ Oral Tumors and Immunologic Control. Lin YH, et al. *Cancer Immunol Res*. 2018

- Longitudinal analysis on the effect of insertion torque on delayed single implants: A 3-year randomized clinical study. Marconcini S, et al. *Clin Implant Dent Relat Res*. 2018
- Computer-aided Design/Computer-aided Manufacturing-guided Endodontic Surgery: Guided Osteotomy and Apex Localization in a Mandibular Molar with a Thick Buccal Bone Plate. Ahn SY, et al. *J Endod*. 2018
- Facial Nerve Paralysis-A Rare Complication of Open Reduction of Zygomaticomaxillary Complex Fractures. Agarwal P, et al. *J Oral Maxillofac Surg*. 2017
- Anisakiasis Involving the Oral Mucosa. Choi SK, et al. *Arch Craniofac Surg*. 2017
- Epithelial grafting of a decellularized whole-tracheal segment: an in vivo experimental model. Den Hondt M, et al. *Interact Cardiovasc Thorac Surg*. 2018
- Soft tissue volume gain around dental implants using autogenous subepithelial connective tissue grafts harvested from the lateral palate or tuberosity area. A randomized controlled clinical study. Rojo E, et al. *J Clin Periodontol*. 2018
- [A cone beam computed tomography study on the anatomical position of accessory mandibular foramina in Jiangxi adults]. Xing K, et al. *Hua Xi Kou Qiang Yi Xue Za Zhi*. 2017. Article in Chinese.
- Induction Chemotherapy in Technically Unresectable Locally Advanced T4a Oral Cavity Squamous Cell Cancers: Experience from a Regional Cancer Center of South India. Rudresha AH, et al. *Indian J Med Paediatr Oncol*. 2017
- Oral Verrucous Carcinoma: Ten Year Experience from a Tertiary Care Hospital in India. Franklyn J, et al. *Indian J Med Paediatr Oncol*. 2017
- Comparative Evaluation of Platelet-Rich Fibrin with Connective Tissue Grafts in the Treatment of Miller's Class I Gingival Recessions. Mufti S, et al. *Contemp Clin Dent*. 2017
- Primary Synovial Sarcoma arising from gingivo-buccal sulcus harbouring SS18-SSX2 positive fusion transcript: The 1st reported case in English literature. Vig T, et al. *J Stomatol Oral Maxillofac Surg*. 2018
- The nerve supply of zygomaticus major: Variability and distinguishing zygomatic from buccal facial nerve branches. Kehrer A, et al. *Clin Anat*. 2018
- Implant Insertion into an Augmented Bone Region Using the Canine Mandible Augmented by the "Casing Method". Ono W, et al. *Anat Rec (Hoboken)*. 2018
- Kimura disease of buccal region in a pediatric patient with nephrotic syndrome: A case report. Lee DH, et al. *Medicine (Baltimore)*. 2017
- Urethra Reconstruction with Tissue-Engineering Technology.
- Vasyutin IA, et al. *Vestn Ross Akad Med Nauk*. 2017
- Peripheral Giant Cell Granuloma Associated With Dental Implants. Scarano A, et al. *J Craniofac Surg*. 2018
- Adenomatoid odontogenic tumor: Case series of 14 with wide range of clinical presentation. Al-Shimari F, et al. *J Clin Exp Dent*. 201
- Prevention of neurological injuries during mandibular third molar surgery: technical notes. La Monaca G, et al. *Ann Stomatol (Roma)*. 2017
- Osseous outgrowth on the buccal maxilla associated with piezosurgery-assisted en-masse retraction: A case series. Tunçer Nİ, et al. *Korean J Orthod*. 2018
- Effect of nonextraction and extraction orthodontic treatments on smile esthetics for different malocclusions. Cheng HC, et al. *Am J Orthod Dentofacial Orthop*. 2018
- Computer-Aided Freehand Maxillary Repositioning. Lin X, et al. *J Craniofac Surg*. 2018
- Tripaddled Anterolateral Thigh Flap for the Reconstruction of Extensively Full-Thickness Cheek Defects by Stacking Two Skin Paddles as Kiss Pattern. Wang F, et al. *J Craniofac Surg*. 2017
- [Urethroplasty for male urethral stricture: Application and outcomes].
- Guo YT, et al. *Zhonghua Nan Ke Xue*. 2016. Article in Chinese.
- Effect of flapless ridge preservation with two different alloplastic materials in sockets with buccal dehiscence defects-volumetric and linear changes. Naenni N, et al. *Clin Oral Investig*. 2017
- Aggressive pediatric myofibromatosis in a two-year-old child. Letelier C, et al. *J Stomatol Oral Maxillofac Surg*. 2017
- Prospective study of the 532 nm laser (KTP) versus diode laser 980 nm in the resection of hyperplastic lesions of the oral cavity. Bargiela-Pérez P, et al. *Med Oral Patol Oral Cir Bucal*. 2018
- Contemporary Digital Restorative and Minimal-Invasive Preservative Surgical Techniques in the Esthetic Zone: A Case Report. Spies BC, et al. *Implant Dent*. 2018
- The effect of resorbable membranes on one-stage ridge augmentation in anterior single-tooth replacement: A randomized, controlled clinical trial. Jonker BP, et al. *Clin Oral Implants Res*. 2018
- Evaluation of the Sternoclavicular Graft for the Reconstruction of Temporomandibular Joint After Gap Arthroplasty. Dayashankara Rao JK, et al. *Ann Maxillofac Surg*. 2017

- [Free medial thigh perforator flaps with various pedicle origins for the reconstruction of defect after buccal mucosa squamous cell carcinoma resection]. Song DJ, et al. Zhonghua Er Bi Yan Hou Tou Jing Wai Ke Za Zhi. 2017. Article in Chinese.
- Local control for vaginal botryoid rhabdomyosarcoma with prerectal transperineal surgical resection and autologous buccal graft vaginal replacement: A novel, minimally invasive, radiation-sparing approach. Michlitsch JG, et al. J Pediatr Surg. 2017
- The Anesthetic Efficacy of Articaine and Lidocaine in Equivalent Doses as Buccal and Non-Palatal Infiltration for Maxillary Molar Extraction: A Randomized, Double-Blinded, Placebo-Controlled Clinical Trial. Majid OW, et al. J Oral Maxillofac Surg. 2017
- Perforator flaps from the lower leg for intraoral reconstruction: Experience of 131 flaps. Wolff KD, et al. J Craniomaxillofac Surg. 2018
- LncRNA GAS5-AS1 inhibits myofibroblasts activities in oral submucous fibrosis. Lin CY, et al. J Formos Med Assoc. 2017
- Accuracy and precision of 3 intraoral scanners and accuracy of conventional impressions: A novel in vivo analysis method. Nedelcu R, et al. J Dent. 2018
- Surgery-related factors affecting the stability of orthodontic mini implants screwed in alveolar process interdental spaces: a systematic literature review. Gintautaitė G, et al. Stomatologija. 2017
- Comparison between peri-implant bone level changes of implants placed during and 3 months after iliac bone grafting. Tosun E, et al. Oral Surg Oral Med Oral Pathol Oral Radiol. 2018
- Effect of Deproteinized Bovine Bone Mineral at Implant Dehiscence Defects Grafted by the Sandwich Bone Augmentation Technique. Wen SC, et al. Int J Periodontics Restorative Dent. 2018

#### POSIBLE ADAPTACIÓN CURRICULAR POR CAUSA DE FUERZA MAYOR (COVID-19, ETC.)

En el caso de restricciones se realiza docencia semipresencial garantizando el cumplimiento de las restricciones que se pudieran establecer.

En el caso de confinamiento sin movilidad se realizará docencia a distancia con conexión en directo de los grupos de alumnos con el profesor que imparte la clase.

En cuanto a las asignaturas prácticas de clínica se retomarán cuando las autoridades competentes lo autoricen, adquiriendo los estudiantes todas las competencias pues durante el confinamiento se duplican las clases teóricas y, una vez permitido por las autoridades la asistencia presencial se duplicarán las clases prácticas de clínica hasta que el estudiante adquiera todas las competencias que no haya adquirido durante el confinamiento.

## GUÍA DOCENTE

|                                 |   |                |
|---------------------------------|---|----------------|
| Año académico                   | 2021-2022                                       |                |
| Estudio                         | Máster en Implantología y Rehabilitación (EO58) |                |
| Nombre de la asignatura         | IMPLANTOLOGÍA I                                 |                |
| Carácter (Obligatoria/Optativa) | OB  |                |
| Créditos (1 ECTS=25 horas)      | 21  |                |
| Modalidad (elegir una opción)   |   | Presencial     |
|                                 |   | Semipresencial |
|                                 |   | On-line        |
| Profesor responsable            | José Vicente Saz Pérez                          |                |
| Idioma en el que se imparte     | Español   |                |

### PROFESORES IMPLICADOS EN LA DOCENCIA

María Andrés Veiga / Gemma Pascual González / Esther Cañaverl Cavero / Pedro Ruiz Saenz / Oriol Prado Gómez / Loreto Quiroga Soriano / Jorge Cortes-Breton Brinkmann / Lucia Gutiérrez Sánchez / Natalia Martínez Rodríguez

### DISTRIBUCIÓN DE CRÉDITOS (especificar en horas)

|  |     |
|--|-----|
| Número de horas presenciales/on-line asistencia profesor | 210 |
| Número de horas de trabajo personal del estudiante       | 315 |
| Total horas  | 525 |

### CONTENIDOS (Temario)

Principios básicos en implantes, antecedentes, biomateriales, osteointegración, superficies y diseños, anatomía y fisiología aplicadas, selección y diagnóstico del paciente implantológico, técnicas quirúrgicas básicas en implantología.

### EVALUACIÓN

Asistencia. Evaluación de casos clínicos en Sesiones Clínicas. Evaluación de Práctica Clínica sobre pacientes reales. Exámenes. Evaluación de trabajos, Exposiciones y Congresos.

## BIBLIOGRAFÍA

- Protesis dental sobre implantes. Carl E.Mish. Elsevier 2015.
- Implantología contemporánea. Carl E. Mish.Elsevier 2009.
- Clinical and Radiographic Assessment of Three-Implant-Supported Fixed-Prosthesis Rehabilitation of the Edentulous Mandible: Immediate Versus Delayed Loading.Primo BT, et al. Int J Oral Maxillofac Implants. 2018
- Injectable Bone Substitute Material on the Basis of  $\beta$ -TCP and Hyaluronan Achieves Complete Bone Regeneration While Undergoing Nearly Complete Degradation.Lorenz J, et al. Int J Oral Maxillofac Implants. 2018
- Relative Production of IL-1 $\beta$  and TNF $\alpha$  by Mononuclear Cells After Exposure to Dental Implants.Perala DG, et al. J Periodontol. 1992
- The Role of Infection and Anti-Infection Treatment in Regenerative Therapy.Newman MG, et al. J Periodontol. 1993
- Osteopromotion: A Soft-Tissue Exclusion Principle Using a Membrane for Bone Healing and Bone Neogenesis.Linde A, et al. J Periodontol. 1993
- The Management of Peri-implant Breakdown Around Functioning Osseointegrated Dental Implants.Jovanovic SA, et al. J Periodontol. 1993
- Effect of 17 $\beta$ -Estradiol and Alendronate on the Removal Torque of Osseointegrated Titanium Implants in Ovariectomized Rats.Giro G, et al. J Periodontol. 2007
- Periodontal Parameters Around Implants Anchoring Orthodontic Appliances: A Series of Case Reports.Molly L, et al. J Periodontol. 2004
- Sinus Floor Augmentation on at the Time of Maxillary Molar Extraction: Success and Failure Rates of 137 Implants in Function for Up to 3 Years.Fugazzotto PA, et al. J Periodontol. 2002
- A Longitudinal Clinical Comparison Plaque-Induced Inflammation Between Gingival and Peri-Implant Soft Tissues in the Maxilla.Toljanic JA, et al. J Periodontol. 2001
- A spartate Aminotransferase Activity in Crevicular Fluid From Dental Impiants.Paolantonio M, et al. J Periodontol. 2000
- Parameter on Placement and Management of the Dental Implant.No authors listed. J Periodontol. 2000
- Position Paper Dental Implants in Periodontal Therapy.Research, Science and Therapy Committee of the American Academy of Periodontology., et al. J Periodontol. 2000
- Comprehensive approach to functional palatomaxillary reconstruction using regional and free tissue transfer: Report of reconstructive and prosthodontic outcomes of 140 patients.Urken ML, et al. Head Neck. 2018
- Effective removal of calcified deposits on microstructured titanium fixture surfaces of dental implants with erbium lasers.Takagi T, et al. J Periodontol. 2018
- Comparison of accuracy between panoramic radiography, cone-beam computed tomography, and ultrasonography in detection of foreign bodies in the maxillofacial region: an in vitro study.Abdinian M, et al. J Korean Assoc Oral Maxillofac Surg. 2018
- Fiber-Reinforced Resin Fixed Prosthesis on 4 Short Implants in Severely Atrophic Maxillas: 1-Year Results of a Prospective Cohort Study.Wagner F, et al. J Oral Maxillofac Surg. 2018
- Immediate Nonsubmerged Custom Root Analog Implants: A Prospective Pilot Clinical Study.Moin DA, et al. Int J Oral Maxillofac Implants. 2018
- Incidence of Peri-implant Diseases on Implants With and Without Laser-Microgrooved Collar: A 5-Year Retrospective Study Carried Out in Private Practice Patients.Guarnieri R, et al. Int J Oral Maxillofac Implants. 2018
- Single-Dose Bioavailability for Prophylactic Coverage in Patients Undergoing Dental Implant Surgery.Aravena PC, et al. Int J Oral Maxillofac Implants. 2018
- The Effect of Moderately Controlled Type 2 Diabetes on Dental Implant Survival and Peri-implant Bone Loss: A Long-Term Retrospective Study.Ormianer Z, et al. Int J Oral Maxillofac Implants. 2018
- Accuracy of Navigation-Guided Dental Implant Placement with Screw Versus Hand Template Fixation in the Edentulous Mandible.Kauffmann P, et al. Int J Oral Maxillofac Implants. 2018
- Mouthguard Biomechanics for Protecting Dental Implants from Impact: Experimental and Finite Element Impact Analysis.Carvalho VF, et al. Int J Oral Maxillofac Implants. 2018
- Five-Year Survival of Short Single-Tooth Implants (6 mm): A Randomized Controlled Clinical Trial.Naenni N, et al. J Dent Res. 2018
- Strain Gauge Evaluation of Transfer Impression Techniques of Multiple Implant-Supported Prosthesis.Nishioka RS, et al. Implant Dent. 2018



- Ethical dilemmas of dental implantology: Ready for aftercare?Gross D, et al. Quintessence Int. 2018
- Resonance frequency analysis: Comparing two clinical instruments.Becker W, et al. Clin Implant Dent Relat Res. 2018
- Angulated Dental Implants in Posterior Maxilla FEA and Experimental Verification.Hamed HA, et al. Open Access Maced J Med Sci. 2018
- Osseointegration of a 3D Printed Stemmed Titanium Dental Implant: A Pilot Study.Tedesco J, et al. Int J Dent. 2017
- Randomized Controlled Clinical Trial to Compare Posterior Implant-Supported Modified Monolithic Zirconia and Metal-Ceramic Single Crowns: One-Year Results.Cheng CW, et al. J Prosthodont. 2018
- Fracture strength of zirconia implant abutments on narrow diameter implants with internal and external implant abutment connections: A study on the titanium resin base concept.Sailer I, et al. Clin Oral Implants Res. 2018
- Risk factors associated with post-loading implant loss of removable and fixed implant-supported prostheses in edentulous jaws.Takashima M, et al. J Prosthodont Res. 2018
- [A phd completed. The effect of radiotherapy on oral mucosa cell morphology.]Asikainen PJ, et al. Ned Tijdschr Tandheelkd. 2018. Article in Dutch.
- [Dissertations 25 years after date 49. A biomechanical analysis of bone around dental implants in an edentulous mandible].Meijer HJA, et al. Ned Tijdschr Tandheelkd. 2018. Article in Dutch.
- Wear and Corrosion Interactions at the Titanium/Zirconia Interface: Dental Implant Application.Sikora CL, et al. J Prosthodont. 2018
- Early intervention of peri-implantitis and periodontitis utilizing a mouse model.Wong RL, et al. J Periodontol. 2018
- Bone heat generated using conventional implant drills versus piezosurgery unit during apical cortical plate perforation.Lajolo C, et al. J Periodontol. 2018
- Impact of a triclosan-containing toothpaste during the progression of experimental peri-implant mucositis: Clinical parameters and local pattern of osteo-immunoinflammatory mediators in peri-implant fluid.Ribeiro FV, et al. J Periodontol. 2018
- Peri-implant soft tissue inflammatory parameters and crestal bone loss among waterpipe (Narghile) smokers and never-smokers with and without type 2 diabetes mellitus.Al-Sowayh ZH, et al. J Periodontol. 2018
- Finite element analysis of dental implants with validation: to what extent can we expect the model to predict biological phenomena? A literature review and proposal for classification of a validation process. Chang Y, et al. Int J Implant Dent. 2018
- Four Stable and Functioning Dental Implants Retrieved for Fracture After 14 and 17 Years from the Same Patient: A Histologic and Histomorphometric Report.Botticelli D, et al. Int J Periodontics Restorative Dent. 2018
- Osseoincorporation of Porous Tantalum Trabecular-Structured Metal: A Histologic and Histomorphometric Study in Humans.de Arriba CC, et al. Int J Periodontics Restorative Dent. 2018
- The influence of dental implants in periapical and panoramic radiographs and cone beam computed tomography images: a clinical study.Felix RP, et al. Gen Dent. 2018
- Analysis of crestal bone loss around single piece ball attachment implant placed bilaterally in canine region and wear of O-ring in implant supported overdenture: Three year follow-up.Raza FB, et al. Clin Implant Dent Relat Res. 2018
- Quality of life assessment of patients utilizing orbital implant-supported prostheses.de Oliveira FM, et al. Clin Implant Dent Relat Res. 2018
- Effective removal of calcified deposits on microstructured titanium fixture surfaces of dental implants with erbium lasers.Takagi T, et al. J Periodontol. 2018
- Comparison of accuracy between panoramic radiography, cone-beam computed tomography, and ultrasonography in detection of foreign bodies in the maxillofacial region: an in vitro study.Abdinian M, et al. J Korean Assoc Oral Maxillofac Surg. 2018
- Immediate Nonsubmerged Custom Root Analog Implants: A Prospective Pilot Clinical Study.Moin DA, et al. Int J Oral Maxillofac Implants. 2018
- Incidence of Peri-implant Diseases on Implants With and Without Laser-Microgrooved Collar: A 5-Year Retrospective Study Carried Out in Private Practice Patients.Guarnieri R, et al. Int J Oral Maxillofac Implants. 2018
- Mouthguard Biomechanics for Protecting Dental Implants from Impact: Experimental and Finite Element Impact Analysis.Carvalho VF, et al. Int J Oral Maxillofac Implants. 2018
- Strain Gauge Evaluation of Transfer Impression Techniques of Multiple Implant-Supported Prosthesis.Nishioka RS, et al. Implant Dent. 2018

- Osseointegration of a 3D Printed Stemmed Titanium Dental Implant: A Pilot Study. Tedesco J, et al. *Int J Dent.* 2017
- Fiber-Reinforced Resin Fixed Prosthesis on 4 Short Implants in Severely Atrophic Maxillas: 1-Year Results of a Prospective Cohort Study. Wagner F, et al. *J Oral Maxillofac Surg.* 2018
- Five-Year Survival of Short Single-Tooth Implants (6 mm): A Randomized Controlled Clinical Trial. Naenni N, et al. *J Dent Res.* 2018
- Oro-dental pathologies in acromegaly. Kreitschmann-Andermahr I, et al. *Endocrine.* 2018
- Short dental implants in patients with oral lichen planus: a long-term follow-up. Anitua E, et al. *Br J Oral Maxillofac Surg.* 2018
- Effects of lateral bone augmentation procedures on peri-implant health or disease: A systematic review and meta-analysis.
- Sanz-Sánchez I, et al. *Clin Oral Implants Res.* 2018
- Evidence-based knowledge on the aesthetics and maintenance of peri-implant soft tissues: Osteology Foundation Consensus Report Part 2-Effects of hard tissue augmentation procedures on the maintenance of peri-implant tissues. Schwarz F, et al. *Clin Oral Implants Res.* 2018
- The Current Evidence on Retaining or Prosthodontically Replacing Retained Deciduous Teeth in the Adult Hypodontia Patient: A Systematic Review. Lavery DP, et al. *Eur J Prosthodont Restor Dent.* 2018
- Mechanical, chemical and biological aspects of titanium and titanium alloys in implant dentistry. Ottria L, et al. *J Biol Regul Homeost Agents.* 2018
- Short-term Postoperative Pain and Swelling Associated with Mini and Standard-Size Implants in the Same Patients. Kovačić I, et al. *Int J Prosthodont.* 2018
- Modification of clinically short Locator abutments using laser welding. Jamjoom FZ, et al. *J Prosthet Dent.* 2018
- Allogeneic bone block for challenging augmentation—a clinical, histological, and histomorphometrical investigation of tissue reaction and new bone formation. Lorenz J, et al. *Clin Oral Investig.* 2018
- Ten-year survival and chipping rates and clinical quality grading of zirconia-based fixed dental prostheses. Teichmann M, et al. *Clin Oral Investig.* 2018
- Surface modification of porous alpha-tricalcium phosphate granules with heparin enhanced their early osteogenic capability in a rat calvarial defect model. Takeda Y, et al. *Dent Mater J.* 2018
- Effect of Silver-Emitting Filler on Antimicrobial and Mechanical Properties of Soft Denture Lining Material. Jabłońska-Stencel E, et al. *Materials (Basel).* 2018
- Progress in the use of dental pulp stem cells in regenerative medicine.
- Anitua E, et al. *Cytotherapy.* 2018
- Bacterial microleakage at the abutment-implant interface, in vitro study. Larrucea C, et al. *Clin Implant Dent Relat Res.* 2018
- Dental-Derived Stem Cells and Their Secretome and Interactions with Bioscaffolds/Biomaterials in Regenerative Medicine: From the In Vitro Research to Translational Applications. Ballini A, et al. *Stem Cells Int.* 2017
- Nanomaterials in dentistry: a cornerstone or a black box? Pokrowiecki R, et al. *Nanomedicine (Lond).* 2018
- Tuning surface properties of bone biomaterials to manipulate osteoblastic cell adhesion and the signaling pathways for the enhancement of early osseointegration.
- Chen S, et al. *Colloids Surf B Biointerfaces.* 2018
- Single-Dose Bioavailability for Prophylactic Coverage in Patients Undergoing Dental Implant Surgery. Aravena PC, et al. *Int J Oral Maxillofac Implants.* 2018
- The Effect of Moderately Controlled Type 2 Diabetes on Dental Implant Survival and Peri-implant Bone Loss: A Long-Term Retrospective Study. Ormianer Z, et al. *Int J Oral Maxillofac Implants.* 2018
- Accuracy of Navigation-Guided Dental Implant Placement with Screw Versus Hand Template Fixation in the Edentulous Mandible. Kauffmann P, et al. *Int J Oral Maxillofac Implants.* 2018
- Mouthguard Biomechanics for Protecting Dental Implants from Impact: Experimental and Finite Element Impact Analysis. Carvalho VF, et al. *Int J Oral Maxillofac Implants.* 2018
- Five-Year Survival of Short Single-Tooth Implants (6 mm): A Randomized Controlled Clinical Trial. Naenni N, et al. *J Dent Res.* 2018
- Full text
- Strain Gauge Evaluation of Transfer Impression Techniques of Multiple Implant-Supported Prosthesis. Nishioka RS, et al. *Implant Dent.* 2018

**POSIBLE ADAPTACIÓN CURRICULAR POR CAUSA DE FUERZA MAYOR (COVID-19, ETC.)**

En el caso de restricciones se realiza docencia semipresencial garantizando el cumplimiento de las restricciones que se pudieran establecer.

En el caso de confinamiento sin movilidad se realizará docencia a distancia con conexión en directo de los grupos de alumnos con el profesor que imparte la clase.

En cuanto a las asignaturas prácticas de clínica se retomarán cuando las autoridades competentes lo autoricen, adquiriendo los estudiantes todas las competencias pues durante el confinamiento se duplican las clases teóricas y, una vez permitido por las autoridades la asistencia presencial se duplicarán las clases prácticas de clínica hasta que el estudiante adquiera todas las competencias que no haya adquirido durante el confinamiento.

## GUÍA DOCENTE

|                                 |   |                |
|---------------------------------|---|----------------|
| Año académico                   | 2021-2022                                       |                |
| Estudio                         | Máster en Implantología y Rehabilitación (EO58) |                |
| Nombre de la asignatura         | PRÓTESIS SOBRE IMPLANTES I                      |                |
| Carácter (Obligatoria/Optativa) | OB  |                |
| Créditos (1 ECTS=25 horas)      | 12  |                |
| Modalidad (elegir una opción)   |   | Presencial     |
|                                 | X   | Semipresencial |
|                                 |   | On-line        |
| Profesor responsable            | José Vicente Saz Pérez                          |                |
| Idioma en el que se imparte     | Español   |                |

### PROFESORES IMPLICADOS EN LA DOCENCIA

Jorge Cortés-Bretón Brinkmann/ Natalio García Honduvilla / Angela Sierra Baztan / Beatriz Vizoso Noval / Gema Cidoncha /María Andrés Veiga / Natalia Martinez Rodriguez

### DISTRIBUCIÓN DE CRÉDITOS (especificar en horas)

|  |     |
|--|-----|
| Número de horas presenciales/on-line asistencia profesor | 120 |
| Número de horas de trabajo personal del estudiante       | 180 |
| Total horas  | 300 |

### CONTENIDOS (Temario)

Oclusión, diagnóstico y plan de tratamiento prostodóntico, toma de registros, valoración estética, tallado selectivo, montaje en articulador, sistema de implantes y opciones prostodónticas, aditamentos protésicos.

### EVALUACIÓN

Asistencia. Evaluación de casos clínicos en Sesiones Clínicas. Evaluación de Práctica Clínica sobre pacientes reales. Exámenes. Evaluación de trabajos, Exposiciones y Congresos.

### BIBLIOGRAFÍA

- Protésis dental sobre implantes. Carl E. Missh. 2ª ed. Elsevier. 2015
- Pasos para la prótesis sobre implantes. Planificación y control. Paulo Vicente Rocha. Amolca.

- Clinical and Radiographic Assessment of Three-Implant-Supported Fixed-Prosthesis Rehabilitation of the Edentulous Mandible: Immediate Versus Delayed Loading. Primo BT, et al. *Int J Oral Maxillofac Implants*. 2018
- [Effect of ceramic on ceramic total hip arthroplasty in Crowe IV developmental dysplasia of the hip]. Sun JY, et al. *Zhongguo Gu Shang*. 2018. Article in Chinese
- Crestal Bone Level Around Tissue-Level Implants Restored with Platform Matching and Bone-Level Implants Restored with Platform Switching: A 5-Year Randomized Controlled Trial. Lago L, et al. *Int J Oral Maxillofac Implants*. 2018
- A CAD-CAM technique for conversion of interim-to-definitive restoration in patients with complete edentulism. An X, et al. *J Prosthet Dent*. 2018
- Biomechanical Behavior of Tooth-Implant Supported Prostheses With Different Implant Connections: A Nonlinear Finite Element Analysis. de Paula GA, et al. *Implant Dent*. 2018
- Implant-Supported Fixed Partial Prostheses With Different Prosthetic Materials: A Three-Dimensional Finite Element Stress Analysis. Arinc H, et al. *Implant Dent*. 2018
- Clinical and Radiographic Assessment of Three-Implant-Supported Fixed-Prosthesis Rehabilitation of the Edentulous Mandible: Immediate Versus Delayed Loading. Primo BT, et al. *Int J Oral Maxillofac Implants*. 2018
- Fiber-Reinforced Resin Fixed Prostheses on 4 Short Implants in Severely Atrophic Maxillas: 1-Year Results of a Prospective Cohort Study. Wagner F, et al. *J Oral Maxillofac Surg*. 2018
- Strain Gauge Evaluation of Transfer Impression Techniques of Multiple Implant-Supported Prosthesis. Nishioka RS, et al. *Implant Dent*. 2018
- Risk factors associated with post-loading implant loss of removable and fixed implant-supported prostheses in edentulous jaws. Takashima M, et al. *J Prosthodont Res*. 2018
- The influence of dental implants in periapical and panoramic radiographs and cone beam computed tomography images: a clinical study. Felix RP, et al. *Gen Dent*. 2018
- Analysis of crestal bone loss around single piece ball attachment implant placed bilaterally in canine region and wear of O-ring in implant supported overdenture: Three year follow-up. Raza FB, et al. *Clin Implant Dent Relat Res*. 2018
- Quality of life assessment of patients utilizing orbital implant-supported prostheses. de Oliveira FM, et al. *Clin Implant Dent Relat Res*. 2018
- Short dental implants in patients with oral lichen planus: a long-term follow-up. Anitua E, et al. *Br J Oral Maxillofac Surg*. 2018
- Interdisciplinary treatment for a compensated Class II partially edentulous malocclusion: Orthodontic creation of a posterior implant site. Chiu G, et al. *Am J Orthod Dentofacial Orthop*. 2018
- Immediate Implant Placement and Provisionalization Using the Patient's Extracted Crown: 12-Month Follow-Up. Deliberador TM, et al. *Compend Contin Educ Dent*. 2018
- Horizontal alveolar ridge expansion followed by immediate placement of implants and rehabilitation with zirconia prosthesis. Deliberador TM, et al. *J Indian Soc Periodontol*. 2017
- An in vitro evaluation of fracture load of implant-supported zirconia-based prostheses fabricated with different veneer materials. Takata H, et al. *Clin Oral Implants Res*. 2018
- Survival rates and bone loss after immediate loading of implants in fresh extraction sockets (single gaps). A clinical prospective study with 4 year follow-up. Velasco-Ortega E, et al. *Med Oral Patol Oral Cir Bucal*. 2018
- Successful Use of Leukocyte Platelet-Rich Fibrin in the Healing of Sinus Membrane Perforation: A Case Report. Pinto GDDS, et al. *Implant Dent*. 2018
- NON-REMOVABLE DENTURE PROTOTYPES, EFFECTIVE IN DENTAL IMPLANTATION. Orjonikidze R, et al. *Georgian Med News*. 2018
- PECULIARITIES OF THE OCCLUSION FORMATION IN DENTAL IMPLANT SUPPORTED ARTIFICIAL TEETH. Orjonikidze Z, et al. *Georgian Med News*. 2018
- Rehabilitations with immediate loading of one-piece implants stabilized with intraoral welding. Pasqualini ME, et al. *J Biol Regul Homeost Agents*. 2018
- Biocompatibility Evaluation of Feldspathic Porcelain with Nano-Sized Silver Ion Particles. Kim JH, et al. *J Nanosci Nanotechnol*. 2018
- Oral and masticatory rehabilitation using osseointegrated dental implants after resective treatment of multicystic ameloblastoma in the lower jaw with a fibula graft. Grossi JRA, et al. *Indian J Dent Res*. 2018
- Analysis of the causes of dental implant fracture: A retrospective clinical study. Stoichkov B, et al. *Quintessence Int*. 2018
- Prosthetic rehabilitation in neurosurgical cranioplasty. Joseph TM, et al. *J Indian Prosthodont Soc*. 2018
- Modification of clinically short Locator abutments using laser welding. Jamjoom FZ, et al. *J Prosthet Dent*. 2018
- Virtually guided alveolar ridge reduction combined with computer-aided implant placement for a bimaxillary implant-supported rehabilitation: A clinical report. Beretta M, et al. *J Prosthet Dent*. 2018

- [Effect of low dose aspirin on osseointegration around titanium implants in osteoporotic rats].Yang Q, et al. Zhonghua Kou Qiang Yi Xue Za Zhi. 2018. Article in Chinese.
- Effect of feldspathic porcelain layering on the marginal fit of zirconia and titanium complete-arch fixed implant-supported frameworks.Yilmaz B, et al. J Prosthet Dent. 2018
- Orthognathic Surgery and Implant-Supported Bridge in a Class III Patient Injured in a Motor Vehicle Accident.Honda K, et al. J Craniofac Surg. 2018
- Implant-supported fixed prostheses in a Patient with Osteogenesis Imperfecta: A 4-year follow-up.Caicedo-Rubio M, et al. J Clin Exp Dent. 2017
- Immediate prosthesis over implants retained using abutments with flexible screws: A preliminary study.Peñarrocha-Oltra D, et al. J Clin Exp Dent. 2017
- Successful implant placement in a Case of Florid Cemento-osseous Dysplasia: a case report and literature review.Esfahanizadeh N, et al. J Oral Implantol. 2018
- Peri-implant conditions and marginal bone loss around cemented and screw-retained single implant crowns in posterior regions: A retrospective cohort study with up to 4 years follow-up.Shi JY, et al. PLoS One. 2018
- Comprehensive rehabilitation using dental implants in generalized aggressive periodontitis.Ramesh A, et al. J Indian Soc Periodontol. 2017
- A 20-year analysis of implant treatment in an Australian public dental clinic.Duong A, et al. Aust Dent J. 2018
- Techniques to Optimize Color Esthetics, Bonding, and Peri-implant Tissue Health With Titanium Implant Abutments.Wadhvani CPK, et al. Compend Contin Educ Dent. 2018
- Immediate and delayed loading of fixed dental prostheses supported by single or two splinted implants: A histomorphometric study in dogs.Cesaretti G, et al. J Oral Rehabil. 2018
- Should we consider IgG hypogammaglobulinemia a risk factor for severe complications of Ludwig angina?: A case report and review of the literature.Baez-Pravia OV, et al. Medicine (Baltimore). 2017
- Bone and soft tissue outcomes, risk factors, and complications of implant-supported prostheses: 5-Years RCT with different abutment types and loading protocols.Göthberg C, et al. Clin Implant Dent Relat Res. 2018
- Management of Challenging Esthetic Anterior Cases with Limited Restorative Space: A Clinical Report.Afify A, et al. J Prosthodont. 2018
- Clinical Effectiveness of 6.5-mm-Long Implants to Support Two-Implant Fixed Prostheses in Premolar-Molar Region: The Influence of Immediate Loading and the Length of Splinting Implant.Anitua E, et al. J Prosthodont. 2018
- A New Technique in Alveolar Cleft Bone Grafting for Dental Implant Placement in Patients With Cleft Lip and Palate.Van Nhan V, et al. Cleft Palate Craniofac J. 2018
- Comparing Short Dental Implants to Standard Dental Implants: Protocol for a Systematic Review.Rokn AR, et al. JMIR Res Protoc. 2018
- Sequential Ridge Augmentation (SRA) Protocol for Hard and Soft Tissue Grafting in Alveolar Ridge Deficiencies: A Proposed Algorithm.Bhatavadekar N, et al. J Oral Implantol. 2018
- Validation of a Simplified Implant-Retained Cantilever Fixed Prosthesis.Tribst JPM, et al. Implant Dent. 2018
- Peri-implant Tissues and Patient Satisfaction After Treatment of Vertically Augmented Atrophic Posterior Mandibles with Intraoral Onlay Block Bone Grafts: A Retrospective 3-Year Case Series Follow-up Study.Aloy-Prósper A, et al. Int J Oral Maxillofac Implants. 2018
- Intraosseous Temperature Changes During Implant Site Preparation: In Vitro Comparison of Thermocouples and Infrared Thermography.Harder S, et al. Int J Oral Maxillofac Implants. 2018
- Provision of information on dental implant treatment: Patients' thoughts and experiences.Kashbour WA, et al. Clin Oral Implants Res. 2018
- Soft tissue volume gain around dental implants using autogenous subepithelial connective tissue grafts harvested from the lateral palate or tuberosity area. A randomized controlled clinical study.Rojo E, et al. J Clin Periodontol. 2018
- Three-year analysis of zirconia implants used for single-tooth replacement and three-unit fixed dental prostheses: A prospective multicenter study.Balmer M, et al. Clin Oral Implants Res. 2018
- Peri-Implant Behavior of Sloped Shoulder Dental Implants Used for All-On-Four Protocols: An Histomorphometric Analysis in Dogs.Calvo Guirado JL, et al. Materials (Basel). 2018
- Influence of transmucosal height in abutments of single and multiple implant-supported prostheses: a non-linear three-dimensional finite element analysis.Borie E, et al. Comput Methods Biomech Biomed Engin. 2018
- Effect of Submerged vs Nonsubmerged Implant Placement Protocols on Implant Failure and Marginal Bone Loss: A Systematic Review and Meta-Analysis.Moustafa Ali RM, et al. Int J Prosthodont. 2018
- The hemi-engaging fixed dental implant prosthesis: A technique for improved stability and handling.Schoenbaum TR, et al. J Prosthet Dent. 2018

- Natural teeth-retained splint based on a patient-specific 3D-printed mandible used for implant surgery and vestibuloplasty: A case report.Xing H, et al. Medicine (Baltimore). 2017
- Three-Dimensional Radiological Assessment of Alveolar Bone Volume Preservation Using Bovine Bone Xenograft.Al Qabbani A, et al. J Craniofac Surg. 2018
- Dental implants placement in paranoid squizofrenic patient with obsessive-compulsive disorder: A case report.Castellanos-Cosano L, et al. J Clin Exp Dent. 2017
- Effects of titanium nanotubes on the osseointegration, cell differentiation, mineralisation and antibacterial properties of orthopaedic implant surfaces.
- Prosthetic management of patients with oro-maxillo-facial defects: a long-term follow-up retrospective study.Gastaldi G, et al. Oral Implantol (Rome). 2017
- Minimally invasive esthetic ridge preservation with growth-factor enhanced bone matrix.Nevins ML, et al. J Esthet Restor Dent. 2017
- Laser-assisted removal of all ceramic fixed dental prostheses: A comprehensive review.
- Correlation between the thickness of the crestal and buccolingual cortical bone at varying depths and implant stability quotients.Chatvaratthana K, et al. PLoS One. 2017
- Clinical Evaluation of Complications in Implant-Supported Dentures: A 4-Year Retrospective Study.Ülkü SZ, et al. Med Sci Monit. 2017
- Abutment misfit in implant-supported prostheses manufactured by casting technique: An integrative review. [Research progress in microbiological characteristics of peri-implant disease].
- Wang Q, et al. Zhonghua Kou Qiang Yi Xue Za Zhi. 2017.
- [Understanding new progress in prosthodontics from the perspective of updates in the glossary of prosthodontic terms].Jiang T, et al. Zhonghua Kou Qiang Yi Xue Za Zhi. 2017.
- Retention System and Splinting on Morse Taper Implants in the Posterior Maxilla by 3D Finite Element Analysis.Lemos CAA, et al. Braz Dent J. 2018
- Rehabilitation of Unilateral Congenital Microtia by Implant-retained Prosthesis.Datarkar A, et al. Ann Maxillofac Surg. 2017
- Implant Survival between Endo-osseous Dental Implants in Immediate Loading, Delayed Loading, and Basal Immediate Loading Dental Implants a 3-Year Follow-up.Garg R, et al. Ann Maxillofac Surg. 2017
- Instant loading with intraoral welding technique and PRAMA implants: a new prosthetic approach.Celletti R, et al. J Biol Regul Homeost Agents. 2017

#### POSIBLE ADAPTACIÓN CURRICULAR POR CAUSA DE FUERZA MAYOR (COVID-19, ETC.)

En el caso de restricciones se realiza docencia semipresencial garantizando el cumplimiento de las restricciones que se pudieran establecer.

En el caso de confinamiento sin movilidad se realizará docencia a distancia con conexión en directo de los grupos de alumnos con el profesor que imparte la clase.

En cuanto a las asignaturas prácticas de clinica se retomarán cuando las autoridades competentes lo autoricen, adquiriendo los estudiantes todas las competencias pues durante el confinamiento se duplican las clases teóricas y, una vez permitido por las autoridades la asistencia presencial se duplicarán las clases prácticas de clinica hasta que el estudiante adquiera todas las competencias que no haya adquirido durante el confinamiento.

## GUÍA DOCENTE

|                                 |   |                |
|---------------------------------|---|----------------|
| Año académico                   | 2021-2022                                       |                |
| Estudio                         | Máster en Implantología y Rehabilitación (EO58) |                |
| Nombre de la asignatura         | PATOLOGÍA QUIRÚRGICA BUCOFACIAL II              |                |
| Carácter (Obligatoria/Optativa) | OB  |                |
| Créditos (1 ECTS=25 horas)      | 9   |                |
| Modalidad (elegir una opción)   |   | Presencial     |
|                                 | X   | Semipresencial |
|                                 |   | On-line        |
| Profesor responsable            | José Vicente Saz Pérez                          |                |
| Idioma en el que se imparte     | Español   |                |

### PROFESORES IMPLICADOS EN LA DOCENCIA

Natalia Martínez Rodríguez/ Andrés Sanchez Monescillo / Miguel de Pedro Herraéz / Raquel Infante Bermejo / Fernando fernández Caliz / María Andrés Veiga

### DISTRIBUCIÓN DE CRÉDITOS (especificar en horas)

|  |     |
|--|-----|
| Número de horas presenciales/on-line asistencia profesor | 90  |
| Número de horas de trabajo personal del estudiante       | 135 |
| Total horas  | 225 |

### CONTENIDOS (Temario)

Patología de la ATM, quistes y tumores bucomaxilofaciales, patología de las glándulas salivales, láser en cirugía bucal e implantología

### EVALUACIÓN

Asistencia. Evaluación de casos clínicos en Sesiones Clínicas. Evaluación de Práctica Clínica sobre pacientes reales. Exámenes. Evaluación de trabajos, Exposiciones y Congresos.

### BIBLIOGRAFÍA

- Cirugía bucofacial. Patología y técnica. Manuel Donado Rodriguez
- Tratado de cirugía bucal. Tomo I. Gay Escoda. 2004.
- Tratado de cirugía bucal. Leonardo Berini.



- Farmacología en odontología. Fundamentos. Panamericana 2008. Tripathi
- Anestesia Local en Odontología. Peñarocha , Martinez-Gonzalez, Bielsa.
- Effect of a Connective Tissue Graft in Combination With a Single Flap Approach in the Regenerative Treatment of Intraosseous Defects.Trombelli L, et al. J Periodontol. 2017
- Primary sinonasal mucosal melanoma simulated as cystic lesions: a case report.Shin SH, et al. J Korean Assoc Oral Maxillofac Surg. 2018
- Explorative study on mucosal and major salivary secretion rates, caries and plaque microflora in head and neck cancer patients.Almståhl A, et al. Int J Dent Hyg. 2018
- Differential expression of organic cation transporter 3 in oral submucous fibrosis-associated buccal squamous cell carcinoma.Hu Y, et al. Oral Surg Oral Med Oral Pathol Oral Radiol. 2018
- Surgical Resection of Vascular Lesions Involving the Buccal Fat Pad.Baldin AV, et al. J Craniofac Surg. 2018
- In-vitro evaluation of controlled-release 14% doxycycline gel for decontamination of machined and sandblasted acid-etched implants.Patianna G, et al. J Periodontol. 2018
- Correlation between fasting blood sugar and cytomorphometric values of diabetic patient's buccal mucosa exfoliative cytology.Agrawal R, et al. J Cancer Res Ther. 2018
- Brief electrical stimulation and synkinesis after facial nerve crush injury: a randomized prospective animal study.Mendez A, et al. J Otolaryngol Head Neck Surg. 2018
- Equine cheek teeth occlusal fissures: prevalence, association with dental wear abnormalities and occlusal angles.Pollaris E, et al. Equine Vet J. 2018
- Canine and Premolar Root Dimensions in Chinese. A Reference for Osteodontokeratoprosthesis Surgery.Sun SY, et al. Asia Pac J Ophthalmol (Phila). 2018
- Patient-Side Appraisal of Late Radiation-Induced Oral Microvascular Changes.Helmerts R, et al. Int J Radiat Oncol Biol Phys. 2018
- Effect of warming anesthetic on pain perception during dental injection: a split-mouth randomized clinical trial.Aravena PC, et al. Local Reg Anesth. 2018
- So-called "bad split" may not be "bad" when the split is on the buccal side: technical note.Matsushita K, et al. Br J Oral Maxillofac Surg. 2018
- Interdisciplinary treatment for a compensated Class II partially edentulous malocclusion: Orthodontic creation of a posterior implant site.Chiu G, et al. Am J Orthod Dentofacial Orthop. 2018
- Evaluation of the chemopreventive effects of Ankaferd Bloodstopper in 7,12-dimethylbenz[a]anthracene-induced oral epithelial dysplasia.Ozle M, et al. Clin Oral Investig. 2018
- Removal of Maxillary Sinus Antrolith and Concomitant Intrasinus Augmentation.Rahpeyma A, et al. J Craniofac Surg. 2018
- Reconstruction of Thin and Pliable Oral Mucosa After Wide Excision of Oral Cancer Using a Trimmed Anterolateral Thigh Free Flap as an Adipofascial Flap.Kim DY, et al. J Craniofac Surg. 2018
- Clinical evaluation of Class II and Class III gingival recession defects of maxillary posterior teeth treated with pedicled buccal fat pad: A pilot study.Deepa D, et al. Dent Res J (Isfahan). 2018
- Buccal space malignancy in the setting of chronic sialadenitis: A report of 2 cases.Bryant LM, et al. Ear Nose Throat J. 2018
- Surgery without papilla incision: tunneling flap procedures in plastic periodontal and implant surgery. Zuhr O, et al. Periodontol 2000. 2018
- Accidental local infiltration of formalin into the buccal mucosa: A case report and review of the literature.Sarode SC, et al. Clin Pract. 2018
- Oral lymphangiomas - clinical and histopathological relations: An immunohistochemically analyzed case series of varied clinical presentations.Kolay SK, et al. J Oral Maxillofac Pathol. 2018
- Simple Technique for Reducing the Buccal Fat Pad During Mandibular Orthognathic Surgery.Kawase-Koga Y, et al. J Craniofac Surg. 2018
- Surgical Treatment for Extracapsular Condylar Fractures of the Mandible.Closs Ono MC, et al. J Craniofac Surg. 2018
- [Endoscopy-assisted sialodochoplasty for the treatment of severe sialoduct stenosis].Zhang YQ, et al. Beijing Da Xue Xue Bao Yi Xue Ban. 2018. Article in Chinese.
- Contour Restoration of Over-Resected Mandibular Angle and Lower Border by Reduction Mandibuloplasty Using Three-Dimensional Planning and Computer-Aided Design and Manufacturing Custom-Made Titanium Implants.Woo JM, et al. J Craniofac Surg. 2018
- Effect of collagenase concentration on the isolation of small adipocytes from human buccal fat pad.Tsurumachi N, et al. J Oral Sci. 2018
- Dysplastic features relevant to malignant transformation in atrophic epithelium of oral submucous fibrosis: A preliminary study.Sarode SC, et al. J Oral Pathol Med. 2018

- Epicrestal and subcrestal placement of platform-switched implants: 18 month-result of a randomized, controlled, split-mouth, prospective clinical trial. Froum SJ, et al. *Clin Oral Implants Res*. 2018
- Intraoral Dissection of the Mimetic Muscles: Application to Dentistry and Oral Surgery. Iwanaga J, et al. *Cureus*. 2017
- Hinge Flap with Triangular Extension for Reconstruction of Pharyngocutaneous and Laryngocutaneous Fistulas. Azuma R, et al. *Plast Reconstr Surg Glob Open*. 2018
- Clinical effect of platelet-rich fibrin on the preservation of the alveolar ridge following tooth extraction. Zhang Y, et al. *Exp Ther Med*. 2018
- Applications of a modified palatal roll flap in peri-implant soft-tissue augmentation - A case series. Kulkarni MR, et al. *J Indian Soc Periodontol*. 2017
- A new procedure for processing extracted teeth for immediate grafting in post-extraction sockets. An experimental study in American Fox Hound dogs. Calvo-Guirado JL, et al. *Ann Anat*. 2018
- Re: Lee C. Zhao, Aaron C. Weinberg, Zihong Lee, et al. Robotic Ureteral Reconstruction Using Buccal Mucosa Grafts: A Multi-institutional Experience. *Eur Urol*. In press. <http://doi.org/10.1016/j.eururo.2017.11.015>: Robotic Ureteral Reconstruction with Buccal Mucosal Graft: A Call Not To Lose Momentum. Gheza F, et al. *Eur Urol*. 2018
- The split hypoglossal nerve versus the cross-face nerve graft to supply the free functional muscle transfer for facial reanimation: A comparative study. Amer TA, et al. *J Plast Reconstr Aesthet Surg*. 2018
- Genetic and epigenetic alterations in the tumour, tumour margins, and normal buccal mucosa of patients with oral cancer. Eljabo N, et al. *Int J Oral Maxillofac Surg*. 2018
- Ideal Versus Late Secondary Alveolar Bone Graft Surgery: A Bone-Thickness Cone-Beam Computed Tomographic Assessment. Garcia MA, et al. *Cleft Palate Craniofac J*. 2018
- Time-resolved fluorescence spectroscopy for the diagnosis of oral lichen planus. Gorpas D, et al. *Clin Exp Dermatol*. 2018
- [Correlation of perceptive temperature threshold of oral mucosa and sympathetic skin response]. Wang ZG, et al. *Zhonghua Kou Qiang Yi Xue Za Zhi*. 2018. Article in Chinese.
- Buccal mucosa cell damage in individuals following dental X-ray examinations. Li G, et al. *Sci Rep*. 2018
- Physical properties of root cementum: Part 26. Effects of micro-osteoperforations on orthodontic root resorption: A microcomputed tomography study. Chan E, et al. *Am J Orthod Dentofacial Orthop*. 2018
- Comparison of the Effects of Ultrasonic and Conventional Surgery on the Neurosensory Disturbance After Bilateral Sagittal Split Osteotomy. Kokuryo S, et al. *J Oral Maxillofac Surg*. 2018
- Endoscope-assisted conservative resection and reconstruction in recurrent subglottic carcinoma. Joseph ST, et al. *Head Neck*. 2018
- Is Inferior Alveolar Nerve Block Sufficient for Routine Dental Treatment in 4- to 6-year-old Children? Pourkazemi M, et al. *Int J Clin Pediatr Dent*. 2017
- Laser-assisted lip repositioning surgery: Novel approach to treat gummy smile. Farista S, et al. *J Indian Soc Periodontol*. 2017
- Buccal fat pad and subperiosteal midface lifts in conjunction with open reduction and internal fixation to treat fractures of the zygomaticomaxillary complex. Bottini GB, et al. *Br J Oral Maxillofac Surg*. 2018
- Effect of neoadjuvant chemotherapy and its correlation with HPV status, EGFR, Her-2-neu, and GADD45 expression in oral squamous cell carcinoma. Pandey M, et al. *World J Surg Oncol*. 2018
- The hypospadias classification affected the surgical outcomes of staged oral mucosa graft urethroplasty in hypospadias reoperation: An observational study. Zheng D, et al. *Medicine (Baltimore)*. 2017
- Lateral Ramus Cortical Bone Plate in Alveolar Cleft Osteoplasty with Concomitant Use of Buccal Fat Pad Derived Cells and Autogenous Bone: Phase I Clinical Trial. Khojasteh A, et al. *Biomed Res Int*. 2017
- Bone Lid Technique Using a Piezoelectric Device for the Treatment of a Mandibular Bony Lesion. Younes R, et al. *Case Rep Dent*. 2017
- Integration of Oncogenes via Sleeping Beauty as a Mouse Model of HPV16+ Oral Tumors and Immunologic Control. Lin YH, et al. *Cancer Immunol Res*. 2018
- Longitudinal analysis on the effect of insertion torque on delayed single implants: A 3-year randomized clinical study. Marconcini S, et al. *Clin Implant Dent Relat Res*. 2018
- Computer-aided Design/Computer-aided Manufacturing-guided Endodontic Surgery: Guided Osteotomy and Apex Localization in a Mandibular Molar with a Thick Buccal Bone Plate. Ahn SY, et al. *J Endod*. 2018
- Facial Nerve Paralysis-A Rare Complication of Open Reduction of Zygomaticomaxillary Complex Fractures. Agarwal P, et al. *J Oral Maxillofac Surg*. 2017
- Anisakiasis Involving the Oral Mucosa. Choi SK, et al. *Arch Craniofac Surg*. 2017

- Epithelial grafting of a decellularized whole-tracheal segment: an in vivo experimental model. Den Hondt M, et al. *Interact Cardiovasc Thorac Surg*. 2018
- Soft tissue volume gain around dental implants using autogenous subepithelial connective tissue grafts harvested from the lateral palate or tuberosity area. A randomized controlled clinical study. Rojo E, et al. *J Clin Periodontol*. 2018
- [A cone beam computed tomography study on the anatomical position of accessory mandibular foramina in Jiangxi adults]. Xing K, et al. *Hua Xi Kou Qiang Yi Xue Za Zhi*. 2017. Article in Chinese.
- Induction Chemotherapy in Technically Unresectable Locally Advanced T4a Oral Cavity Squamous Cell Cancers: Experience from a Regional Cancer Center of South India. Rudresha AH, et al. *Indian J Med Paediatr Oncol*. 2017
- Oral Verrucous Carcinoma: Ten Year Experience from a Tertiary Care Hospital in India. Franklyn J, et al. *Indian J Med Paediatr Oncol*. 2017
- Comparative Evaluation of Platelet-Rich Fibrin with Connective Tissue Grafts in the Treatment of Miller's Class I Gingival Recessions. Mufti S, et al. *Contemp Clin Dent*. 2017
- Primary Synovial Sarcoma arising from gingivo-buccal sulcus harbouring SS18-SSX2 positive fusion transcript: The 1st reported case in English literature. Vig T, et al. *J Stomatol Oral Maxillofac Surg*. 2018
- The nerve supply of zygomaticus major: Variability and distinguishing zygomatic from buccal facial nerve branches. Kehrer A, et al. *Clin Anat*. 2018
- Implant Insertion into an Augmented Bone Region Using the Canine Mandible Augmented by the "Casing Method". Ono W, et al. *Anat Rec (Hoboken)*. 2018
- Kimura disease of buccal region in a pediatric patient with nephrotic syndrome: A case report. Lee DH, et al. *Medicine (Baltimore)*. 2017
- Urethra Reconstruction with Tissue-Engineering Technology.
- Vasyutin IA, et al. *Vestn Ross Akad Med Nauk*. 2017
- Peripheral Giant Cell Granuloma Associated With Dental Implants. Scarano A, et al. *J Craniofac Surg*. 2018
- Adenomatoid odontogenic tumor: Case series of 14 with wide range of clinical presentation. Al-Shimari F, et al. *J Clin Exp Dent*. 201
- Prevention of neurological injuries during mandibular third molar surgery: technical notes. La Monaca G, et al. *Ann Stomatol (Roma)*. 2017
- Osseous outgrowth on the buccal maxilla associated with piezosurgery-assisted en-masse retraction: A case series. Tunçer Nİ, et al. *Korean J Orthod*. 2018
- Effect of nonextraction and extraction orthodontic treatments on smile esthetics for different malocclusions. Cheng HC, et al. *Am J Orthod Dentofacial Orthop*. 2018
- Computer-Aided Freehand Maxillary Repositioning. Lin X, et al. *J Craniofac Surg*. 2018
- Tripaddled Anterolateral Thigh Flap for the Reconstruction of Extensively Full-Thickness Cheek Defects by Stacking Two Skin Paddles as Kiss Pattern. Wang F, et al. *J Craniofac Surg*. 2017
- [Urethroplasty for male urethral stricture: Application and outcomes].
- Guo YT, et al. *Zhonghua Nan Ke Xue*. 2016. Article in Chinese.
- Effect of flapless ridge preservation with two different alloplastic materials in sockets with buccal dehiscence defects-volumetric and linear changes. Naenni N, et al. *Clin Oral Investig*. 2017
- Aggressive pediatric myofibromatosis in a two-year-old child. Letelier C, et al. *J Stomatol Oral Maxillofac Surg*. 2017
- Prospective study of the 532 nm laser (KTP) versus diode laser 980 nm in the resection of hyperplastic lesions of the oral cavity. Bargiela-Pérez P, et al. *Med Oral Patol Oral Cir Bucal*. 2018
- Contemporary Digital Restorative and Minimal-Invasive Preservative Surgical Techniques in the Esthetic Zone: A Case Report. Spies BC, et al. *Implant Dent*. 2018
- The effect of resorbable membranes on one-stage ridge augmentation in anterior single-tooth replacement: A randomized, controlled clinical trial. Jonker BP, et al. *Clin Oral Implants Res*. 2018
- Evaluation of the Sternoclavicular Graft for the Reconstruction of Temporomandibular Joint After Gap Arthroplasty. Dayashankara Rao JK, et al. *Ann Maxillofac Surg*. 2017
- [Free medial thigh perforator flaps with various pedicle origins for the reconstruction of defect after buccal mucosa squamous cell carcinoma resection]. Song DJ, et al. *Zhonghua Er Bi Yan Hou Tou Jing Wai Ke Za Zhi*. 2017. Article in Chinese.
- Local control for vaginal botryoid rhabdomyosarcoma with prerectal transperineal surgical resection and autologous buccal graft vaginal replacement: A novel, minimally invasive, radiation-sparing approach. Michlitsch JG, et al. *J Pediatr Surg*. 2017

- The Anesthetic Efficacy of Articaine and Lidocaine in Equivalent Doses as Buccal and Non-Palatal Infiltration for Maxillary Molar Extraction: A Randomized, Double-Blinded, Placebo-Controlled Clinical Trial. Majid OW, et al. J Oral Maxillofac Surg. 2017
- Perforator flaps from the lower leg for intraoral reconstruction: Experience of 131 flaps. Wolff KD, et al. J Craniomaxillofac Surg. 2018
- LncRNA GAS5-AS1 inhibits myofibroblasts activities in oral submucous fibrosis. Lin CY, et al. J Formos Med Assoc. 2017
- Accuracy and precision of 3 intraoral scanners and accuracy of conventional impressions: A novel in vivo analysis method. Nedelcu R, et al. J Dent. 2018
- Surgery-related factors affecting the stability of orthodontic mini implants screwed in alveolar process interdental spaces: a systematic literature review. Gintautaitė G, et al. Stomatologija. 2017
- Comparison between peri-implant bone level changes of implants placed during and 3 months after iliac bone grafting. Tosun E, et al. Oral Surg Oral Med Oral Pathol Oral Radiol. 2018
- Effect of Deproteinized Bovine Bone Mineral at Implant Dehiscence Defects Grafted by the Sandwich Bone Augmentation Technique. Wen SC, et al. Int J Periodontics Restorative Dent. 2018

#### **POSIBLE ADAPTACIÓN CURRICULAR POR CAUSA DE FUERZA MAYOR (COVID-19, ETC.)**

En el caso de restricciones se realiza docencia semipresencial garantizando el cumplimiento de las restricciones que se pudieran establecer.

En el caso de confinamiento sin movilidad se realizará docencia a distancia con conexión en directo de los grupos de alumnos con el profesor que imparte la clase.

En cuanto a las asignaturas prácticas de clínica se retomarán cuando las autoridades competentes lo autoricen, adquiriendo los estudiantes todas las competencias pues durante el confinamiento se duplican las clases teóricas y, una vez permitido por las autoridades la asistencia presencial se duplicarán las clases prácticas de clínica hasta que el estudiante adquiera todas las competencias que no haya adquirido durante el confinamiento.

## GUÍA DOCENTE

|                                 |   |                |
|---------------------------------|---|----------------|
| Año académico                   | 2021-2022                                       |                |
| Estudio                         | Máster en Implantología y Rehabilitación (EO58) |                |
| Nombre de la asignatura         | IMPLANTOLOGÍA II                                |                |
| Carácter (Obligatoria/Optativa) | OB  |                |
| Créditos (1 ECTS=25 horas)      | 26  |                |
| Modalidad (elegir una opción)   |   | Presencial     |
|                                 | X   | Semipresencial |
|                                 |   | On-line        |
| Profesor responsable            | José Vicente Saz Pérez                          |                |
| Idioma en el que se imparte     | Español   |                |

### PROFESORES IMPLICADOS EN LA DOCENCIA

Natalia Martínez Rodríguez/ Gemma Pascual González/ María Andrés Veiga / Esther Cañaveral Cavero / Pedro Ruiz Saenz / Oriol Prado Gómez / Loreto Quiroga Soriano / Jorge Cortes-Breton Brinkmann / Lucia Gutiérrez Sánchez

### DISTRIBUCIÓN DE CRÉDITOS (especificar en horas)

|  |     |
|--|-----|
| Número de horas presenciales/on-line asistencia profesor | 260 |
| Número de horas de trabajo personal del estudiante       | 390 |
| Total horas  | 650 |

### CONTENIDOS (Temario)

Técnicas quirúrgicas avanzadas, Injertos, ROG, PRGF, Cirugía guiada, Elevación de seno, movilización del dentario, mantenimiento y seguimiento, complicaciones y fracasos, resultados y criterios de éxito.

### EVALUACIÓN

Asistencia. Evaluación de casos clínicos en Sesiones Clínicas. Evaluación de Práctica Clínica sobre pacientes reales. Exámenes. Evaluación de trabajos, Exposiciones y Congresos.

## BIBLIOGRAFÍA

- Protesis dental sobre implantes. Carl E.Mish. Elsevier 2015.
- Implantología contemporánea. Carl E. Mish.Elsevier 2009.
- Clinical and Radiographic Assessment of Three-Implant-Supported Fixed-Prosthesis Rehabilitation of the Edentulous Mandible: Immediate Versus Delayed Loading.Primo BT, et al. Int J Oral Maxillofac Implants. 2018
- Injectable Bone Substitute Material on the Basis of  $\beta$ -TCP and Hyaluronan Achieves Complete Bone Regeneration While Undergoing Nearly Complete Degradation.Lorenz J, et al. Int J Oral Maxillofac Implants. 2018
- Relative Production of IL-1 $\beta$  and TNF $\alpha$  by Mononuclear Cells After Exposure to Dental Implants.Perala DG, et al. J Periodontol. 1992
- The Role of Infection and Anti-Infection Treatment in Regenerative Therapy.Newman MG, et al. J Periodontol. 1993
- Osteopromotion: A Soft-Tissue Exclusion Principle Using a Membrane for Bone Healing and Bone Neogenesis.Linde A, et al. J Periodontol. 1993
- The Management of Peri-implant Breakdown Around Functioning Osseointegrated Dental Implants.Jovanovic SA, et al. J Periodontol. 1993
- Effect of 17 $\beta$ -Estradiol and Alendronate on the Removal Torque of Osseointegrated Titanium Implants in Ovariectomized Rats.Giro G, et al. J Periodontol. 2007
- Periodontal Parameters Around Implants Anchoring Orthodontic Appliances: A Series of Case Reports.Molly L, et al. J Periodontol. 2004
- Sinus Floor Augmentation on at the Time of Maxillary Molar Extraction: Success and Failure Rates of 137 Implants in Function for Up to 3 Years.Fugazzotto PA, et al. J Periodontol. 2002
- A Longitudinal Clinical Comparison Plaque-Induced Inflammation Between Gingival and Peri-Implant Soft Tissues in the Maxilla.Toljanic JA, et al. J Periodontol. 2001
- A spartate Aminotransferase Activity in Crevicular Fluid From Dental Impiants.Paolantonio M, et al. J Periodontol. 2000
- Parameter on Placement and Management of the Dental Implant.No authors listed. J Periodontol. 2000
- Position Paper Dental Implants in Periodontal Therapy.Research, Science and Therapy Committee of the American Academy of Periodontology., et al. J Periodontol. 2000
- Comprehensive approach to functional palatomaxillary reconstruction using regional and free tissue transfer: Report of reconstructive and prosthodontic outcomes of 140 patients.Urken ML, et al. Head Neck. 2018
- Effective removal of calcified deposits on microstructured titanium fixture surfaces of dental implants with erbium lasers.Takagi T, et al. J Periodontol. 2018
- Comparison of accuracy between panoramic radiography, cone-beam computed tomography, and ultrasonography in detection of foreign bodies in the maxillofacial region: an in vitro study.Abdinian M, et al. J Korean Assoc Oral Maxillofac Surg. 2018
- Fiber-Reinforced Resin Fixed Prosthesis on 4 Short Implants in Severely Atrophic Maxillas: 1-Year Results of a Prospective Cohort Study.Wagner F, et al. J Oral Maxillofac Surg. 2018
- Immediate Nonsubmerged Custom Root Analog Implants: A Prospective Pilot Clinical Study.Moin DA, et al. Int J Oral Maxillofac Implants. 2018
- Incidence of Peri-implant Diseases on Implants With and Without Laser-Microgrooved Collar: A 5-Year Retrospective Study Carried Out in Private Practice Patients.Guarnieri R, et al. Int J Oral Maxillofac Implants. 2018
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- The Effect of Moderately Controlled Type 2 Diabetes on Dental Implant Survival and Peri-implant Bone Loss: A Long-Term Retrospective Study.Ormianer Z, et al. Int J Oral Maxillofac Implants. 2018
- Accuracy of Navigation-Guided Dental Implant Placement with Screw Versus Hand Template Fixation in the Edentulous Mandible.Kauffmann P, et al. Int J Oral Maxillofac Implants. 2018
- Mouthguard Biomechanics for Protecting Dental Implants from Impact: Experimental and Finite Element Impact Analysis.Carvalho VF, et al. Int J Oral Maxillofac Implants. 2018
- Five-Year Survival of Short Single-Tooth Implants (6 mm): A Randomized Controlled Clinical Trial.Naenni N, et al. J Dent Res. 2018

- Strain Gauge Evaluation of Transfer Impression Techniques of Multiple Implant-Supported Prosthesis. Nishioka RS, et al. *Implant Dent.* 2018
- Ethical dilemmas of dental implantology: Ready for aftercare? Gross D, et al. *Quintessence Int.* 2018
- Resonance frequency analysis: Comparing two clinical instruments. Becker W, et al. *Clin Implant Dent Relat Res.* 2018
- Angulated Dental Implants in Posterior Maxilla FEA and Experimental Verification. Hamed HA, et al. *Open Access Maced J Med Sci.* 2018
- Osseointegration of a 3D Printed Stemmed Titanium Dental Implant: A Pilot Study. Tedesco J, et al. *Int J Dent.* 2017
- Randomized Controlled Clinical Trial to Compare Posterior Implant-Supported Modified Monolithic Zirconia and Metal-Ceramic Single Crowns: One-Year Results. Cheng CW, et al. *J Prosthodont.* 2018
- Fracture strength of zirconia implant abutments on narrow diameter implants with internal and external implant abutment connections: A study on the titanium resin base concept. Sailer I, et al. *Clin Oral Implants Res.* 2018
- Risk factors associated with post-loading implant loss of removable and fixed implant-supported prostheses in edentulous jaws. Takashima M, et al. *J Prosthodont Res.* 2018
- [A phd completed. The effect of radiotherapy on oral mucosa cell morphology.] Asikainen PJ, et al. *Ned Tijdschr Tandheelkd.* 2018. Article in Dutch.
- [Dissertations 25 years after date 49. A biomechanical analysis of bone around dental implants in an edentulous mandible]. Meijer HJA, et al. *Ned Tijdschr Tandheelkd.* 2018. Article in Dutch.
- Wear and Corrosion Interactions at the Titanium/Zirconia Interface: Dental Implant Application. Sikora CL, et al. *J Prosthodont.* 2018
- Early intervention of peri-implantitis and periodontitis utilizing a mouse model. Wong RL, et al. *J Periodontol.* 2018
- Bone heat generated using conventional implant drills versus piezosurgery unit during apical cortical plate perforation. Lajolo C, et al. *J Periodontol.* 2018
- Impact of a triclosan-containing toothpaste during the progression of experimental peri-implant mucositis: Clinical parameters and local pattern of osteo-immunoinflammatory mediators in peri-implant fluid. Ribeiro FV, et al. *J Periodontol.* 2018
- Peri-implant soft tissue inflammatory parameters and crestal bone loss among waterpipe (Narghile) smokers and never-smokers with and without type 2 diabetes mellitus. Al-Sowayh ZH, et al. *J Periodontol.* 2018
- Finite element analysis of dental implants with validation: to what extent can we expect the model to predict biological phenomena? A literature review and proposal for classification of a validation process. Chang Y, et al. *Int J Implant Dent.* 2018
- Four Stable and Functioning Dental Implants Retrieved for Fracture After 14 and 17 Years from the Same Patient: A Histologic and Histomorphometric Report. Botticelli D, et al. *Int J Periodontics Restorative Dent.* 2018
- Osseoincorporation of Porous Tantalum Trabecular-Structured Metal: A Histologic and Histomorphometric Study in Humans. de Arriba CC, et al. *Int J Periodontics Restorative Dent.* 2018
- The influence of dental implants in periapical and panoramic radiographs and cone beam computed tomography images: a clinical study. Felix RP, et al. *Gen Dent.* 2018
- Analysis of crestal bone loss around single piece ball attachment implant placed bilaterally in canine region and wear of O-ring in implant supported overdenture: Three year follow-up. Raza FB, et al. *Clin Implant Dent Relat Res.* 2018
- Quality of life assessment of patients utilizing orbital implant-supported prostheses. de Oliveira FM, et al. *Clin Implant Dent Relat Res.* 2018
- Effective removal of calcified deposits on microstructured titanium fixture surfaces of dental implants with erbium lasers. Takagi T, et al. *J Periodontol.* 2018
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- Five-Year Survival of Short Single-Tooth Implants (6 mm): A Randomized Controlled Clinical Trial. Naenni N, et al. *J Dent Res.* 2018
- Oro-dental pathologies in acromegaly. Kreitschmann-Andermahr I, et al. *Endocrine.* 2018
- Short dental implants in patients with oral lichen planus: a long-term follow-up. Anitua E, et al. *Br J Oral Maxillofac Surg.* 2018
- Effects of lateral bone augmentation procedures on peri-implant health or disease: A systematic review and meta-analysis.
- Sanz-Sánchez I, et al. *Clin Oral Implants Res.* 2018
- Evidence-based knowledge on the aesthetics and maintenance of peri-implant soft tissues: Osteology Foundation Consensus Report Part 2-Effects of hard tissue augmentation procedures on the maintenance of peri-implant tissues. Schwarz F, et al. *Clin Oral Implants Res.* 2018
- The Current Evidence on Retaining or Prosthodontically Replacing Retained Deciduous Teeth in the Adult Hypodontia Patient: A Systematic Review. Lavery DP, et al. *Eur J Prosthodont Restor Dent.* 2018
- Mechanical, chemical and biological aspects of titanium and titanium alloys in implant dentistry. Ottria L, et al. *J Biol Regul Homeost Agents.* 2018
- Short-term Postoperative Pain and Swelling Associated with Mini and Standard-Size Implants in the Same Patients. Kovačić I, et al. *Int J Prosthodont.* 2018
- Modification of clinically short Locator abutments using laser welding. Jamjoom FZ, et al. *J Prosthet Dent.* 2018
- Allogeneic bone block for challenging augmentation—a clinical, histological, and histomorphometrical investigation of tissue reaction and new bone formation. Lorenz J, et al. *Clin Oral Investig.* 2018
- Ten-year survival and chipping rates and clinical quality grading of zirconia-based fixed dental prostheses. Teichmann M, et al. *Clin Oral Investig.* 2018
- Surface modification of porous alpha-tricalcium phosphate granules with heparin enhanced their early osteogenic capability in a rat calvarial defect model. Takeda Y, et al. *Dent Mater J.* 2018
- Effect of Silver-Emitting Filler on Antimicrobial and Mechanical Properties of Soft Denture Lining Material. Jabłońska-Stencel E, et al. *Materials (Basel).* 2018
- Progress in the use of dental pulp stem cells in regenerative medicine.
- Anitua E, et al. *Cytotherapy.* 2018
- Bacterial microleakage at the abutment-implant interface, in vitro study. Larrucea C, et al. *Clin Implant Dent Relat Res.* 2018
- Dental-Derived Stem Cells and Their Secretome and Interactions with Bioscaffolds/Biomaterials in Regenerative Medicine: From the In Vitro Research to Translational Applications. Ballini A, et al. *Stem Cells Int.* 2017
- Nanomaterials in dentistry: a cornerstone or a black box? Pokrowiecki R, et al. *Nanomedicine (Lond).* 2018
- Tuning surface properties of bone biomaterials to manipulate osteoblastic cell adhesion and the signaling pathways for the enhancement of early osseointegration.
- Chen S, et al. *Colloids Surf B Biointerfaces.* 2018
- Single-Dose Bioavailability for Prophylactic Coverage in Patients Undergoing Dental Implant Surgery. Aravena PC, et al. *Int J Oral Maxillofac Implants.* 2018
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**POSIBLE ADAPTACIÓN CURRICULAR POR CAUSA DE FUERZA MAYOR (COVID-19, ETC.)**

En el caso de restricciones se realiza docencia semipresencial garantizando el cumplimiento de las restricciones que se pudieran establecer.

En el caso de confinamiento sin movilidad se realizará docencia a distancia con conexión en directo de los grupos de alumnos con el profesor que imparte la clase.

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## GUÍA DOCENTE

|                                 |   |                |
|---------------------------------|---|----------------|
| Año académico                   | 2021-2022                                       |                |
| Estudio                         | Máster en Implantología y Rehabilitación (EO58) |                |
| Nombre de la asignatura         | PRÓTESIS SOBRE IMPLANTES II                     |                |
| Carácter (Obligatoria/Optativa) | OB  |                |
| Créditos (1 ECTS=25 horas)      | 16  |                |
| Modalidad (elegir una opción)   |   | Presencial     |
|                                 | X   | Semipresencial |
|                                 |   | On-line        |
| Profesor responsable            | José Vicente Saz Pérez                          |                |
| Idioma en el que se imparte     | Español   |                |

### PROFESORES IMPLICADOS EN LA DOCENCIA

Cristina Martín Muñoz / Jorge Cortés-Bretón Brinkmann/ Natalio García Honduvilla / Angela Sierra Baztan / Beatriz Vizoso Noval / Gema Cidoncha / Natalia Martínez Rodríguez / Esther Cañaverall Cavero / María Andres Veiga / Pedro Ruiz Saenz / Oriol Prado Gómez / Cristina Martín Muñoz / Loreto Quiroga Soriano / Lucia Gutiérrez Sánchez

### DISTRIBUCIÓN DE CRÉDITOS (especificar en horas)

|  |     |
|--|-----|
| Número de horas presenciales/on-line asistencia profesor | 160 |
| Número de horas de trabajo personal del estudiante       | 240 |
| Total horas  | 400 |

### CONTENIDOS (Temario)

Técnica CAD-CAM, prótesis fija, sobredentaduras, otras rehabilitaciones sobre implantes.

### EVALUACIÓN

Asistencia. Evaluación de casos clínicos en Sesiones Clínicas. Evaluación de Práctica Clínica sobre pacientes reales. Exámenes. Evaluación de trabajos, Exposiciones y Congresos.

### BIBLIOGRAFÍA

- Protosis dental sobre implantes. Carl E. Missh. 2ª ed. Elsevier. 2015
- Pasos para la prótesis sobre implantes. Planificación y control. Paulo Vicente Rocha. Amolca.

- Clinical and Radiographic Assessment of Three-Implant-Supported Fixed-Prosthesis Rehabilitation of the Edentulous Mandible: Immediate Versus Delayed Loading. Primo BT, et al. *Int J Oral Maxillofac Implants*. 2018
- [Effect of ceramic on ceramic total hip arthroplasty in Crowe IV developmental dysplasia of the hip]. Sun JY, et al. *Zhongguo Gu Shang*. 2018. Article in Chinese
- Crestal Bone Level Around Tissue-Level Implants Restored with Platform Matching and Bone-Level Implants Restored with Platform Switching: A 5-Year Randomized Controlled Trial. Lago L, et al. *Int J Oral Maxillofac Implants*. 2018
- A CAD-CAM technique for conversion of interim-to-definitive restoration in patients with complete edentulism. An X, et al. *J Prosthet Dent*. 2018
- Biomechanical Behavior of Tooth-Implant Supported Prostheses With Different Implant Connections: A Nonlinear Finite Element Analysis. de Paula GA, et al. *Implant Dent*. 2018
- Implant-Supported Fixed Partial Prostheses With Different Prosthetic Materials: A Three-Dimensional Finite Element Stress Analysis. Arinc H, et al. *Implant Dent*. 2018
- Clinical and Radiographic Assessment of Three-Implant-Supported Fixed-Prosthesis Rehabilitation of the Edentulous Mandible: Immediate Versus Delayed Loading. Primo BT, et al. *Int J Oral Maxillofac Implants*. 2018
- Fiber-Reinforced Resin Fixed Prostheses on 4 Short Implants in Severely Atrophic Maxillas: 1-Year Results of a Prospective Cohort Study. Wagner F, et al. *J Oral Maxillofac Surg*. 2018
- Strain Gauge Evaluation of Transfer Impression Techniques of Multiple Implant-Supported Prosthesis. Nishioka RS, et al. *Implant Dent*. 2018
- Risk factors associated with post-loading implant loss of removable and fixed implant-supported prostheses in edentulous jaws. Takashima M, et al. *J Prosthodont Res*. 2018
- The influence of dental implants in periapical and panoramic radiographs and cone beam computed tomography images: a clinical study. Felix RP, et al. *Gen Dent*. 2018
- Analysis of crestal bone loss around single piece ball attachment implant placed bilaterally in canine region and wear of O-ring in implant supported overdenture: Three year follow-up. Raza FB, et al. *Clin Implant Dent Relat Res*. 2018
- Quality of life assessment of patients utilizing orbital implant-supported prostheses. de Oliveira FM, et al. *Clin Implant Dent Relat Res*. 2018
- Short dental implants in patients with oral lichen planus: a long-term follow-up. Anitua E, et al. *Br J Oral Maxillofac Surg*. 2018
- Interdisciplinary treatment for a compensated Class II partially edentulous malocclusion: Orthodontic creation of a posterior implant site. Chiu G, et al. *Am J Orthod Dentofacial Orthop*. 2018
- Immediate Implant Placement and Provisionalization Using the Patient's Extracted Crown: 12-Month Follow-Up. Deliberador TM, et al. *Compend Contin Educ Dent*. 2018
- Horizontal alveolar ridge expansion followed by immediate placement of implants and rehabilitation with zirconia prosthesis. Deliberador TM, et al. *J Indian Soc Periodontol*. 2017
- An in vitro evaluation of fracture load of implant-supported zirconia-based prostheses fabricated with different veneer materials. Takata H, et al. *Clin Oral Implants Res*. 2018
- Survival rates and bone loss after immediate loading of implants in fresh extraction sockets (single gaps). A clinical prospective study with 4 year follow-up. Velasco-Ortega E, et al. *Med Oral Patol Oral Cir Bucal*. 2018
- Successful Use of Leukocyte Platelet-Rich Fibrin in the Healing of Sinus Membrane Perforation: A Case Report. Pinto GDDS, et al. *Implant Dent*. 2018
- NON-REMOVABLE DENTURE PROTOTYPES, EFFECTIVE IN DENTAL IMPLANTATION. Orjonikidze R, et al. *Georgian Med News*. 2018
- PECULIARITIES OF THE OCCLUSION FORMATION IN DENTAL IMPLANT SUPPORTED ARTIFICIAL TEETH. Orjonikidze Z, et al. *Georgian Med News*. 2018
- Rehabilitations with immediate loading of one-piece implants stabilized with intraoral welding. Pasqualini ME, et al. *J Biol Regul Homeost Agents*. 2018
- Biocompatibility Evaluation of Feldspathic Porcelain with Nano-Sized Silver Ion Particles. Kim JH, et al. *J Nanosci Nanotechnol*. 2018
- Oral and masticatory rehabilitation using osseointegrated dental implants after resective treatment of multicystic ameloblastoma in the lower jaw with a fibula graft. Grossi JRA, et al. *Indian J Dent Res*. 2018
- Analysis of the causes of dental implant fracture: A retrospective clinical study. Stoichkov B, et al. *Quintessence Int*. 2018
- Prosthetic rehabilitation in neurosurgical cranioplasty. Joseph TM, et al. *J Indian Prosthodont Soc*. 2018

- Modification of clinically short Locator abutments using laser welding.Jamjoom FZ, et al. J Prosthet Dent. 2018
- Virtually guided alveolar ridge reduction combined with computer-aided implant placement for a bimaxillary implant-supported rehabilitation: A clinical report.Beretta M, et al. J Prosthet Dent. 2018
- [Effect of low dose aspirin on osseointegration around titanium implants in osteoporotic rats].Yang Q, et al. Zhonghua Kou Qiang Yi Xue Za Zhi. 2018. Article in Chinese.
- Effect of feldspathic porcelain layering on the marginal fit of zirconia and titanium complete-arch fixed implant-supported frameworks.Yilmaz B, et al. J Prosthet Dent. 2018
- Orthognathic Surgery and Implant-Supported Bridge in a Class III Patient Injured in a Motor Vehicle Accident.Honda K, et al. J Craniofac Surg. 2018
- Implant-supported fixed prostheses in a Patient with Osteogenesis Imperfecta: A 4-year follow-up.Caicedo-Rubio M, et al. J Clin Exp Dent. 2017
- Immediate prosthesis over implants retained using abutments with flexible screws: A preliminary study.Peñarrocha-Oltra D, et al. J Clin Exp Dent. 2017
- Successful implant placement in a Case of Florid Cemento-osseous Dysplasia: a case report and literature review.Esfahanizadeh N, et al. J Oral Implantol. 2018
- Peri-implant conditions and marginal bone loss around cemented and screw-retained single implant crowns in posterior regions: A retrospective cohort study with up to 4 years follow-up.Shi JY, et al. PLoS One. 2018
- Comprehensive rehabilitation using dental implants in generalized aggressive periodontitis.Ramesh A, et al. J Indian Soc Periodontol. 2017
- A 20-year analysis of implant treatment in an Australian public dental clinic.Duong A, et al. Aust Dent J. 2018
- Techniques to Optimize Color Esthetics, Bonding, and Peri-implant Tissue Health With Titanium Implant Abutments.Wadhvani CPK, et al. Compend Contin Educ Dent. 2018
- Immediate and delayed loading of fixed dental prostheses supported by single or two splinted implants: A histomorphometric study in dogs.Cesaretti G, et al. J Oral Rehabil. 2018
- Should we consider IgG hypogammaglobulinemia a risk factor for severe complications of Ludwig angina?: A case report and review of the literature.Baez-Pravia OV, et al. Medicine (Baltimore). 2017
- Bone and soft tissue outcomes, risk factors, and complications of implant-supported prostheses: 5-Years RCT with different abutment types and loading protocols.Göthberg C, et al. Clin Implant Dent Relat Res. 2018
- Management of Challenging Esthetic Anterior Cases with Limited Restorative Space: A Clinical Report.Afify A, et al. J Prosthodont. 2018
- Clinical Effectiveness of 6.5-mm-Long Implants to Support Two-Implant Fixed Prostheses in Premolar-Molar Region: The Influence of Immediate Loading and the Length of Splinting Implant.Anitua E, et al. J Prosthodont. 2018
- A New Technique in Alveolar Cleft Bone Grafting for Dental Implant Placement in Patients With Cleft Lip and Palate.Van Nhan V, et al. Cleft Palate Craniofac J. 2018
- Comparing Short Dental Implants to Standard Dental Implants: Protocol for a Systematic Review.Rokn AR, et al. JMIR Res Protoc. 2018
- Sequential Ridge Augmentation (SRA) Protocol for Hard and Soft Tissue Grafting in Alveolar Ridge Deficiencies: A Proposed Algorithm.Bhatavadekar N, et al. J Oral Implantol. 2018
- Validation of a Simplified Implant-Retained Cantilever Fixed Prosthesis.Tribst JPM, et al. Implant Dent. 2018
- Peri-implant Tissues and Patient Satisfaction After Treatment of Vertically Augmented Atrophic Posterior Mandibles with Intraoral Onlay Block Bone Grafts: A Retrospective 3-Year Case Series Follow-up Study.Aloy-Prósper A, et al. Int J Oral Maxillofac Implants. 2018
- Intraosseous Temperature Changes During Implant Site Preparation: In Vitro Comparison of Thermocouples and Infrared Thermography.Harder S, et al. Int J Oral Maxillofac Implants. 2018
- Provision of information on dental implant treatment: Patients' thoughts and experiences.Kashbour WA, et al. Clin Oral Implants Res. 2018
- Soft tissue volume gain around dental implants using autogenous subepithelial connective tissue grafts harvested from the lateral palate or tuberosity area. A randomized controlled clinical study.Rojo E, et al. J Clin Periodontol. 2018
- Three-year analysis of zirconia implants used for single-tooth replacement and three-unit fixed dental prostheses: A prospective multicenter study.Balmer M, et al. Clin Oral Implants Res. 2018
- Peri-Implant Behavior of Sloped Shoulder Dental Implants Used for All-On-Four Protocols: An Histomorphometric Analysis in Dogs.Calvo Guirado JL, et al. Materials (Basel). 2018
- Influence of transmucosal height in abutments of single and multiple implant-supported prostheses: a non-linear three-dimensional finite element analysis.Borie E, et al. Comput Methods Biomech Biomed Engin. 2018

- Effect of Submerged vs Nonsubmerged Implant Placement Protocols on Implant Failure and Marginal Bone Loss: A Systematic Review and Meta-Analysis. Moustafa Ali RM, et al. Int J Prosthodont. 2018
- The hemi-engaging fixed dental implant prosthesis: A technique for improved stability and handling. Schoenbaum TR, et al. J Prosthet Dent. 2018
- Natural teeth-retained splint based on a patient-specific 3D-printed mandible used for implant surgery and vestibuloplasty: A case report. Xing H, et al. Medicine (Baltimore). 2017
- Three-Dimensional Radiological Assessment of Alveolar Bone Volume Preservation Using Bovine Bone Xenograft. Al Qabbani A, et al. J Craniofac Surg. 2018
- Dental implants placement in paranoid schizophrenic patient with obsessive-compulsive disorder: A case report. Castellanos-Cosano L, et al. J Clin Exp Dent. 2017
- Effects of titanium nanotubes on the osseointegration, cell differentiation, mineralisation and antibacterial properties of orthopaedic implant surfaces.
- Prosthetic management of patients with oro-maxillo-facial defects: a long-term follow-up retrospective study. Gastaldi G, et al. Oral Implantol (Rome). 2017
- Minimally invasive esthetic ridge preservation with growth-factor enhanced bone matrix. Nevins ML, et al. J Esthet Restor Dent. 2017
- Laser-assisted removal of all ceramic fixed dental prostheses: A comprehensive review.
- Correlation between the thickness of the crestal and buccolingual cortical bone at varying depths and implant stability quotients. Chatvaratthana K, et al. PLoS One. 2017
- Clinical Evaluation of Complications in Implant-Supported Dentures: A 4-Year Retrospective Study. Ülkü SZ, et al. Med Sci Monit. 2017
- Abutment misfit in implant-supported prostheses manufactured by casting technique: An integrative review. [Research progress in microbiological characteristics of peri-implant disease].
- Wang Q, et al. Zhonghua Kou Qiang Yi Xue Za Zhi. 2017.
- [Understanding new progress in prosthodontics from the perspective of updates in the glossary of prosthodontic terms]. Jiang T, et al. Zhonghua Kou Qiang Yi Xue Za Zhi. 2017.
- Retention System and Splinting on Morse Taper Implants in the Posterior Maxilla by 3D Finite Element Analysis. Lemos CAA, et al. Braz Dent J. 2018
- Rehabilitation of Unilateral Congenital Microtia by Implant-retained Prosthesis. Datarkar A, et al. Ann Maxillofac Surg. 2017
- Implant Survival between Endo-osseous Dental Implants in Immediate Loading, Delayed Loading, and Basal Immediate Loading Dental Implants a 3-Year Follow-up. Garg R, et al. Ann Maxillofac Surg. 2017
- Instant loading with intraoral welding technique and PRAMA implants: a new prosthetic approach. Celletti R, et al. J Biol Regul Homeost Agents. 2017

#### POSIBLE ADAPTACIÓN CURRICULAR POR CAUSA DE FUERZA MAYOR (COVID-19, ETC.)

En el caso de restricciones se realiza docencia semipresencial garantizando el cumplimiento de las restricciones que se pudieran establecer.

En el caso de confinamiento sin movilidad se realizará docencia a distancia con conexión en directo de los grupos de alumnos con el profesor que imparte la clase.

En cuanto a las asignaturas prácticas de clínica se retomarán cuando las autoridades competentes lo autoricen, adquiriendo los estudiantes todas las competencias pues durante el confinamiento se duplican las clases teóricas y, una vez permitido por las autoridades la asistencia presencial se duplicarán las clases prácticas de clínica hasta que el estudiante adquiriera todas las competencias que no haya adquirido durante el confinamiento.

## GUÍA DOCENTE

|                                 |   |                |
|---------------------------------|---|----------------|
| Año académico                   | 2021-2022                                       |                |
| Estudio                         | Máster en Implantología y Rehabilitación (EO58) |                |
| Nombre de la asignatura         | TRABAJO FIN DE MÁSTER                           |                |
| Carácter (Obligatoria/Optativa) | OB  |                |
| Créditos (1 ECTS=25 horas)      | 9   |                |
| Modalidad (elegir una opción)   |   | Presencial     |
|                                 | X   | Semipresencial |
|                                 |   | On-line        |
| Profesor responsable            | José Vicente Saz Pérez                          |                |
| Idioma en el que se imparte     | Español   |                |

### PROFESORES IMPLICADOS EN LA DOCENCIA

Natalia Martínez Rodríguez/ José M<sup>a</sup> Martínez

### DISTRIBUCIÓN DE CRÉDITOS (especificar en horas)

|  |     |
|--|-----|
| Número de horas presenciales/on-line asistencia profesor | 90  |
| Número de horas de trabajo personal del estudiante       | 135 |
| Total horas  | 225 |

### CONTENIDOS (Temario)

Realización de un Proyecto en el que se desarrollan los conocimientos adquiridos en el Máster

### EVALUACIÓN

Evaluación del Proyecto y de su exposición.

### BIBLIOGRAFÍA

El estudiante, para el desarrollo del Proyecto, debe utilizar la bibliografía asignada a todas las asignaturas del Máster.

**POSIBLE ADAPTACIÓN CURRICULAR POR CAUSA DE FUERZA MAYOR (COVID-19, ETC.)**

En el caso de restricciones se realiza docencia semipresencial garantizando el cumplimiento de las restricciones que se pudieran establecer.

En el caso de confinamiento sin movilidad se realizará docencia a distancia con conexión en directo de los grupos de alumnos con el profesor que imparte la clase.

En cuanto a las asignaturas prácticas de clínica se retomarán cuando las autoridades competentes lo autoricen, adquiriendo los estudiantes todas las competencias pues durante el confinamiento se duplican las clases teóricas y, una vez permitido por las autoridades la asistencia presencial se duplicarán las clases prácticas de clínica hasta que el estudiante adquiera todas las competencias que no haya adquirido durante el confinamiento.