

Master's degree in Endodontics: Admission Requirements

Exams - Program
University year 2020-2021

1. Theoretical competence (written exam)

- Preparation for the endodontic procedure
 - Sterilization
 - Radiography
 - Anesthesia
 - Medical emergencies
 - Diagnosis in endodontics
 - Ergonomics
 - Operating field

- General principles including
 - The canal anatomy
 - Root canal Access
 - Canal shaping
 - Canal obturation

2. Practical competence (preclinical examination)

Coronary access + preparation and filling of an extracted monoradicated tooth.

❖ Equipment

In addition to an extracted monoradicated tooth, the candidate must have the necessary instrumentation to perform the requested act including a NiTi motor.



Université Saint-Joseph

Post-graduate studies

Master's degree in Pediatric Dentistry

Theoretical Exam Program

Academic year 2020-2021

- **Theoretical Knowledge (written examination)**
 - Child psychology (anxiety, pain, simple behavior management techniques)
 - Introduction to traumatology (principles and classifications)
 - Introduction to prevention (fluoride and tooth brushing)
 - Introduction to occlusal guidance (space maintainers)
 - The dentition (anatomy and physiology of primary and permanent teeth)
 - Simple tooth extraction

- **Practical Competence (preclinical work examination)**
 - Simple wire bending
 - Cavity preparation on primary teeth
 - Primary tooth pulpotomy

For this examination, the candidate should have the necessary instrumentation as well as two extracted primary teeth with at least three quarters of the roots present (one anterior and one posterior tooth).

Master's degree in aesthetic and prosthetic dentistry

Theoretical Exam Program

Academic year 2020-2021

Fixed Prosthodontics

➤ **Theoretical Knowledge (written exam) duration:30mn**

- Different preparations in fixed prosthodontics.
- Cervical finish lines.
- Provisional restorations.
- Impression techniques.
- Post and cores and build-up techniques.
- Cementation and bonding materials in fixed prosthodontics.
- Pontics design.
- Etiology and pathology of the neuro-muscular and articulation dysfunction.
- Occlusal appliances. Les gouttières occlusales.

➤ **Laboratory competences (bench exam) duration: 3 hours**

- Full coverage preparation on upper 1st molars, incisors and canines.
- Full coverage preparation on upper 1st premolar.
- Temporary restoration on the prepared tooth.
- Cast mounting on semi-adjustable articulator.

❖ **Instruments needed for the Fixed prosthodontics bench exam:**

- ✓ Typodont with a complete set of upper and lower teeth. (frasco)
- ✓ High speed + slow speed contra-angle (2 holes)
- ✓ Diamond and carbide burs for full coverage preparations.
- ✓ Cold-cure acrylic with rubber dappen dishes for temporaries.
- ✓ Semi-adjustable articulator.
- ✓ Universal pliers.
- ✓ Sable brushes.
- ✓ Spatulas.
- ✓ Acrylic burs.
- ✓ Polishing wheels.

Restorative and Esthetic Dentistry

➤ **Theoretical skills (theoretical exam) Duration 30mn**

- Choice of direct materials in DRE
- Dental amalgams
- Composites
- The different preparations for direct techniques
- Direct complex cavities
- Choice of indirect materials
- Dental ceramics
- Ceromers
- The principles of preparations for inlays
- The principles of preparations for veneers
- Whitening of vital teeth
- Whitening of root treated teeth
- Pulp capping
- Dental adhesives

➤ **Practical Skills Duration 2h**

- ❖ Preparation and filling of a class I cavity on a molar
- ❖ Preparation and filling of a class II cavity on a molar
- ❖ Preparation and filling of a class III cavity on anterior tooth
- ❖ Preparation and obturation of a class IV cavity on upper central
- ❖ Preparation and filling of a class V cavity
- ❖ Preparation and filling of a complex Amalgam cavity
- ❖ Preparation and filling of a MOD cavity in Amalgam and composite

❖ **Material required for the DR competition**

- Burs for preparation of cavities for composite and amalgam and polishing material for composite
- Silicone tips for polishing
- Matrices of thickness 0.045 and width 7mm + Matrix holder
- Wooden wedges
- Instruments for obturation
- Light curing units

Removable Prosthodontics

➤ **Theoretical competence (written exam) duration 30mn**

• **Partial prosthesis**

- Clinical examination of a removable partial denture.
- Choice of the insertion axis in removable partial prosthesis.
- Preprosthetic preparation of a removable partial denture.
- Choice and indications of the elements of a removable partial denture (main and secondary retainer, clasps, occlusal and mucous rests).

• **Complete denture**

- Impression techniques in removable partial denture.
- Clinical examination of an edentulous patient.
- Impression techniques in complete denture.
- Intermaxillary relationships in complete denture.
- Articulator and mounting of the teeth.

• **General**

- Dental materials in removable prosthesis.
- Implants and complete denture

➤ **Practical competence (preclinical examination) duration 2 hours**

- Creation of an acrylic denture on a phantom (clasp, wax and setting of teeth).
- impression of a removable partial denture: drawing of the frame, surveying of a dental cast, realization of a special tray.

❖ **Material required for the Removable Prosthesis competition:**

- ✓ Wax knife, Zahle, PKT, LeCron
- ✓ Clasps pliers: Cutting pliers, 3 beak pliers, bird beak pliers
- ✓ Micro-motor with straight handpiece and low-speed handpiece
- ✓ Acrylic burs (different shapes)
- ✓ Colored pencils
- ✓ Pencil
- ✓ Round and cylindrical burs for low-speed (different sizes)
- ✓ Godet for acryl
- ✓ Metallic spatula
- ✓ Glass Mixing slab
- ✓ articulating paper



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Post-graduate studies

Master's degree in Orthodontics
Preparatory session 2020 - 2021



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THEORETICAL AND PRACTICAL TESTS

It represents 50% of the total of the grade.

- *Theoretical competences*

They cover the following notions:

- Orthodontic terminology
- Craniofacial growth
- Dentition development
- Establishment of occlusion
- Etiology of malocclusions
- Clinical examination
- Céphalométrie
- Orthodontic diagnosis
- Treatment plan
- Biologic basis of the orthodontic treatment
- Preventive orthodontics
- Interceptive orthodontics
- Corrective orthodontics
- Orthodontics and other disciplines
- Orthodontic failure, relapse and retention.

Work to refer to:

- 1- Orthodontics: Current Principles and Techniques – GRABER T.M. – Mosby 1994
- 2- Céphalométrie et Orthodontie : LOREILLE J.P. – SNPMD 1992
- 3- Contemporary Orthodontics – PROFFIT W.R. – Mosby 1993
- 4- Anatomie Céphalométrique Téléradiographique – VION P.E. – SID 1997

- *Practical Competences*

They include :

- **Radiology:** recognizing the bony structures and the reference plans and reference points.
- **Wire bending:** Carry out different configurations with orthodontic steel wires.

Material list

Wire bending :

- White scrub.
- Hard wire cutter plier.
- 105 G plier.
- Tweed plier.
- Optical plier type Orthopli.
- 442 pliers (2).
- Round wire .018"
- Round wire .016"
- Rectangular wire .016x.022"
- Rectangular wire .019x.025"
- Indelible thin marker.
- Bristol paper: 5x5 mm square.
- Glass plate with a thickness of 1cm and dimensions 12x15cm.
- Transparent sticky tape.
- Graph paper.

Radiology:

- Mechanical pencil with lead 2HB.
- Transparent sticky tape and plastic eraser.
- Millimeter ruler and protractor.

Program

48 hours – 1 credit – 1st semester

Nb Hrs	Chapters
15	Radiology
33	Wire bending

Week 1	June 29n	June 30n	July 1	July 2	July 3	July 4
09:00;12:00	Radiology 1 R.H.	Radiology 2 R.H.	Radiology 3 R.H.	Radiology 4 R.H.	Wire bending 5 J.G.	Written exam
13:00;16:00	Wire bending 1 E.A.	Wire bending 2 R.A.	Wire bending 3 A.K.	Wire bending 4 R.K.	Wire bending 6 A.K.	
16:00;19:00						

Week 2	July 6	July 7	July 8	July 9	July 10	July 11
08:00;09:00		Article analysis at 7:30 room X	Colloq.		Radiology & Wire bending exam Ortho room	
09:00;12:00	Radiology 5 R.H.	Article analysis Meeting room	Colloq.	Wire bending 10 J.G.		
13:00;16:00	Wire bending 7 E.K.	Wire bending 8 R.A.	Colloq.	Wire bending 11 R.K.		
16:00;19:00			Wire bending 9 M.M.			

Week 3	July 13					
09:00;12:00	Interview Meeting room					
13:00;16:00						
16:00;19:00						



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The program of the entrance exam is distributed by the administration.

I. Wire bending

Each configuration will be distributed during the session.



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Radiology

1. Introduction.
2. Definition.
3. Principles of cephalometric radiography:
 - 3.1. Focal distance.
 - 3.2. Object – Film distance: cephalostat.
 - 3.3. Focus – Film distance (constant).
4. Cephalometric imaging system:
 - 4.1. X-ray generators.
 - 4.2. Head holder: cephalostat.
 - 4.3. Image receptors.
 - 4.4. Filters.
5. Cephalometric incidences:
 - 5.1. Lateral.
 - 5.2. Frontal.
 - 5.3. Axial.
6. Patient positioning for lateral cephalometry.
7. Accuracy of cephalometric analysis.
8. Radiographic anatomy.
Lateral
9. Cephalometric landmarks and planes:
On lateral cephalogram
10. Cephalometric tracing technique:
 - 10.1. Tracing material list.
 - 10.2. Tracing execution: Rules to respect.
 - 10.3. Structures to be drawn:
 - 10.3.1. Cutaneous profile.
 - 10.3.2. Soft tissue.
 - 10.3.3. Frontal and nasal bone.
 - 10.3.4. Lateral orbital and roof margins.
 - 10.3.5. Hard palate, upper incisor, canine, premolar and upper molars.
 - 10.3.6. Mandible: lower incisor, canine, premolar and lower molar.
 - 10.3.7. Sphenoid bone and pterygomaxillary fissures.
 - 10.3.8. Occipital bone:
 - 10.3.9. Porion, external auditory canal and internal auditory canal.