

Academy for Clinical Excellence

(A unit of Dental Planet Multi Solutions)

COURSE CURRICULUM – INTERNSHIP PROGRAM

I. ENDODONTICS

1. Diagnosis, treatment planning and how to convince patients
2. Selection of cases
3. Access opening / locating canals [simple and easy methods]
4. Biomechanical preparation /various techniques (Shaping & Cleaning)
5. Obturation / various techniques
6. Root canal treatment of anteriors, premolars and molars
 - a) Conventional
 - b) Hand protapers
 - c) Rotary
7. Re –RCT (Techniques and management)
8. Root canal medicaments (properties and indications)
 9. Treating Endodontic Emergencies(flare-ups, incision and drainage, acute alveolar abscess)
 10. Procedural Errors &Management (Perforation, Zipping, Transportation, Strip Perforation, Gouging, Ledging, Instrument Breakage, Sodium Hypochlorite accident)
11. Overview of Newer materials like Biodentine, MTA manipulation & technique of placement.
12. Endodontic Surgery (Apicectomy, Hemisection, Bicuspidization)
13. How to use apex locator
14. Post and core
 - a) Metal
 - b) fibre
15. Laminates/ veneers – Direct

HANDS-ON

- 1) RCT's on extracted teeth. (candidates will be provided with minimum of 5 teeth)
- 2) Demonstration of various medicaments, rubber dam, instruments, loupes and newer materials.

CLINICAL

Candidates will be allowed to do most of the things learned in theory and in Hands on depending on the duration of clinical posting and availability of various cases

- 1) Minimum of 10 RCT's (conventional, hand protapers, Rotary, single visit etc.)
- 2) Post and core

II. CONSERVATIVE DENTISTRY

1. Principles of cavity preparation
2. Restoration of class 1 to class 6
3. Use of various filling materials like Composite, Conventional GIC and light cured and resin modified GIC, Miracle Mix, Amalgam, cements and their properties and indications (proper restoration with predictable success)
4. Diastema closure
5. Tooth jewellery

HANDS-ON

All the restorations will be demonstrated on extracted teeth and typodonts and candidates will be trained until they gain perfection.

CLINICAL

Candidates will be allowed to do most of the things learned in theory and in Hands on depending on the duration of clinical posting and availability of various cases.

Unlimited number of restorations can be performed by candidates under the supervision of experienced staff.

III. PROSTHODONTICS

1. Case selection, diagnosis, treatment planning, convincing patients and various treatment modalities.
2. RPD's (Acrylic, cast partial denture, flexible)
3. Impression techniques –
 - a. Dual impression technique for distal extension
 - b. Impression technique for implants
 - c. Impression making for dentulous and edentulous arches
 - i. Alginate
 - ii. Rubber base
 - iii. Impression compound
 - iv. ZOE paste
4. Complete Dentures
 - a. Conventional
 - i) Impression
 - ii) border molding
 - iii) jaw relation
 - iv) try in
 - v) insertion
 - b. Over dentures
 - c. Implant supported dentures
 - d. BPS
 - e. Relining rebasing
5. Crown preparation – Anteriors, premolars ,posteriors
 - i) metal
 - ii) PFM
 - iii) All ceramic
 - iv) Zirconia
 - B. Impression Making
 - C. Recording bite
 - D. Shade selection
 - E. Cementation techniques
6. Full mouth rehabilitation
7. Transferring Face bow records
8. Gingival retraction
9. Selection of proper shade (Different techniques)
10. Fibrodontics (preparing immediate FPD without crown preparation)
11. Laminates/ veneers –Indirect

12. Fabrication of temporary crowns
 - Chair side
 - Lab
13. Post and core – metal and fibre
14. Smile designing
15. Different techniques to remove old crown/bridges using
 - i crown remover
 - ii Vamkee
 - iii Cutting technically
16. Precision attachment

HANDS ON

Will be done on extracted teeth and typodont

- 1) Crown preparation on all Anteriors, premolars ,posteriors
- 2) Crown preparation for metal, ceramic and zirconia
- 3) Preparation for veneers
- 4) Dual impression technique
- 5) Demonstration of various advanced materials, equipments and techniques
- 6) Demonstration of fibrodontics
- 7) Recording facebow
- 8) Recording impression (alginate, rubber dam)
- 9) Demonstration of vamkee

CLINICAL

Candidates will be allowed to do most of the things learned in theory and in Hands on depending on the duration of clinical posting and availability of various cases

- i) Minimum of 10 crown preparation
- ii) 2 complete denture and few RPD's
- iii) Proper recording of impression (alginate, rubber base)
- iv) Gingival retraction
- v) Post/core
- vi) How to adjust dentures, crown and bridges in patients mouth during delivery and final cementation

IV. IMPLANTS

1. Case selection diagnosis and treatment planning and how to convince patients
2. CBCT reading
3. Indication and contraindication
4. Classification/ parts/ design
5. Selection of implant size & Width
6. Single stage versus two stage
7. Single piece versus two piece
8. Physiodispensers
9. Planning and preparation of stents
10. Flap Techniques, Suturing
11. Second stage surgery
12. Full mouth implant placement
13. Implant supported dentures
14. Immediate Implants
15. Implant placement in compromised bone height
16. Sinus lift direct/indirect
17. Bone grafts
18. Zygomatic implant
19. Pterygoid implant
20. Nerve Lateralization
21. Basal Implants
22. All on Four Implants

HANDS-ON

- 1) Hands on Implant placement in saw dust mandible.
- 2) Incision, Flap Technique, Suturing and Sinus Lift Demonstration on Goat Jaw/ Models.
- 3) Demonstration of Second stage surgery
- 4) Demonstration of various material, implant system, physiodispenser, sinus lift kit etc
- 5) CBCT reading/planning

CLINICAL

Candidates will be allowed to do most of the things learned in theory and in Hands on depend on the duration of clinical posting and availability of various cases and confident of the candidate.

- 1) Diagnosis ,treatment planning, and convincing patient
- 2) Assist many implant surgeries /sinus lift etc
- 3) Allowed to place 2 implants under the supervision of specialists after the candidate is found confident and experienced

V. PERIODONTICS /LASERS

- 1) Scope of periodontics
- 2) Case selection, diagnosis, treatment planning and convincing patient
- 3) CONVENTIONAL
 - a) Gingivectomy
 - b) Gingivoplasty
 - c) Frenectomy
 - d) Reattachment
 - e) New attachment
 - f) Depigmentation
 - g) Bone and Tissue Grafts
 - h) Soft tissue grafts
 - i) Guided tissue regeneration
 - j) Bone surgery (shaping and recontouring of bone)
 - k) Flap surgery/pocket reduction surgery
 - l) Regenerative Procedures
 - m) Crown Lengthening
 - n) Pocket Reduction Procedures
 - o) Plastic Surgery Procedures
- 4) LASERS IN DENTISTRY
 - i Depigmentation
 - ii Operculectomy
 - iii Frenectomy
 - iv Crown lengthening
 - v Gingivectomy
 - vi Frenectomy
 - vii Exposure Of Implants During Second Stage
 - viii Teeth whitening

HANDS-ON

- 1) Demonstration of laser unit
- 2) Demonstration of various instruments, materials and equipments
- 3) Demonstration of centrifuge unit/ how to extract PRF/PRP and its applications
- 4) Demonstration of splinting using ligature wire
- 5) Practice of lasers on vegetables.

CLINICAL

Candidates will be allowed to do most of the things learned in theory and in Hands on depending on the duration of clinical posting and availability of various cases and on confidence of the candidate.

1. Diagnosis, treatment planning, and convincing patient
2. Most of the procedures mentioned in conventional method will be done on patients
3. Use of lasers for Depigmentation, Operculectomy, Frenectomy, Crown lengthening, Gingivectomy, Frenectomy, Exposure Of Implants During Second Stage, Teeth whitening.

VI . PEDIATRIC DENTISTRY

PRECLINICAL

1. Case selection ,diagnosis, treatment planning and convincing patient
2. Management of pediatric patient
3. Fillings – GIC, composites
4. Management of nursing bottle caries and rampant caries
5. Pulp capping
 - i. Direct
 - ii. Indirect
6. Pulpotomy
7. Apexogenesis
8. Pulpectomy
9. Pre-Fabricated crowns
10. Diagnosis of Habits and management
 - i Tongue thrusting
 - ii Thumb sucking
 - iii Mouth Breathing
11. Space Maintainers and regainers-types, fabrication
12. Diagnosis of Cross bites and Management
13. Mixed dentition- orthodontic diagnosis and treatment
 - a) Myofunctional appliances
 - b) Serial extraction
14. Pediatric Patient Management in emergencies
 - a) Childhood dental injuries
 - b) Avulsion Management
 - c) Preparation of sport guard
 - d) Splinting
15. Treatment of Anterior teeth with Strip Crowns
16. Fluoride application
17. Pit and fissure sealants

HANDS-ON

Will be done on extracted teeth and typodont

- 1) Fillings – GIC, composites
- 2) Pulp capping
 - Direct
 - Indirect
- 3) Pulpotomy
- 4) Pulpectomy

- 5) Crown preparation for prefabricated crowns
- 6) Demonstration Of Various Appliances
- 7) Fluoride application
- 8) Pit And Fissure Sealants

CLINICAL

Candidates will be allowed to do most of the things learned in theory and in Hands on depending on the duration of clinical posting and availability of various cases and on confidence of the candidate.

- 1. Diagnosis ,treatment planning, and convincing patient
- 2. Restorations, Pulpotomy, Pulpectomy, pit and fissure sealants
- 3. Appliances
- 4. Fluoride application

VII. ORAL SURGERY

1. Exodontia: Individual tooth extraction techniques, complications & Management
2. Biopsy and biopsy techniques
3. Suturing Techniques
 - Direct interrupted
 - Figure of eight
 - Continuous locking
 - Horizontal mattress
 - Vertical mattress
4. Administration of LA- Techniques, Clinical Considerations Management of complications.
5. Painless / strain less techniques
6. Management of Medical Emergencies on Dental Chair
 - Syncope
 - Hyperglycemia/Hypoglycemia/Breathlessness
 - Chest Pain/Seizures
 - Management of pregnancy patients
 - Hypotension & Hypertension
 - Management of HIV and Hepatitis B patients
7. Clinical assessment of Special cases
 - Trauma cases
 - Cyst cases
 - Tumors
 - Space infections
 - Ludwig's angina
8. Management of impacted teeth
9. Perform simple impactions and assist complicated impactions
10. Anatomical landmarks related to general practice
11. How to give IM, IV injection
12. Technique to give CPR, BLS

PRECLINICAL

1. Demonstration of various materials, equipments and materials
2. Suturing techniques
3. LA techniques on models and skull
4. IM/IV/CPR
5. Extractions Technique

CLINICAL

Candidates will be allowed to do most of the things learned in theory and in Hands on depend on the duration of clinical posting and availability of various cases and on confident of the candidate.

- 1) Diagnosis , case selection, treatment planning
- 2) Extractions / simple impactions
- 3) Suturing
- 4) L.A techniques

VIII. ORAL PATHOLOGY

1. Diagnosis And Treatment Planning
2. Management of commonly occurring diseases
 1. Fibromas
 2. Granulomas
 3. Vascular lesions
 4. Vesiculobullous lesions
 5. Ulcers of the oral cavity
 6. Premalignant lesions and conditions like
 - a. Leukoplakia
 - b. Lichen planus
 - c. OSMF (Oral submucous fibrosis)
7. Management of squamous cell carcinoma
8. Management of salivary gland tumors
9. Differential diagnosis of swelling

IX. BASICS ON ORTHODONTICS

PRECLINICAL

1. Selection of cases diagnosis and how to convince ortho patients
2. Various Orthodontic Brackets/ Technique
 - A) Metal
 - B) Ceramic
 - C) Lingual
 - D) Clear aligners
 - i) Clear path
 - ii) invisalign
3. Myofunctional appliances
4. Minor corrections by removable appliances
5. How to avoid malocclusion and role of preventive and interceptive orthodontics
6. Surgical orthodontics (orthognathic surgeries)
7. Space maintainers and regainers
8. Diagnostic aids to check growth spurts

HANDS ON

Demonstration of various treatment modalities, appliances, materials and equipments

CLINICAL

Candidates will be allowed to do most of the things learned in theory and in Hands on depending on the duration of clinical posting and availability of various cases and on confident of the candidate.

- 1) Diagnosis , case selection, treatment planning
- 2) Management of orthodontic emergencies (bracket loosening and pricking of wires)
- 3) Removal of fixed appliances post treatment

X. OTHERS /BASICS

1. Sterilization
 - Autoclave
 - Fumigation
 - Rubber Dam Placement
2. How to prepare a patient
3. How to prepare dental chair
4. How to prepare ourselves for a procedure
5. Different treatment procedures in dentistry and application of the same on individual cases
6. Communication skills in dentistry
7. Practice management
8. How to become a successful private practitioner /clinician?
 - a) Scope of dentistry?
 - b) How to establish clinic?
 - c) Diagnosis, treatment planning
 - d) Convincing and converting cases
11. Lab tour
 - a) Demonstration of various lab procedures
 - b) Casting, Sintering etc
 - c) CAD CAM machine demonstration

XI. ORAL DIAGNOSIS AND RADIOLOGY

- 1) Radiographic Techniques
- 2) How to take an x-ray/develop an x-ray
 - Iopa
 - RVG
- 3) How to read a CBCT?
- 4) Case history and examination
- 5) Treatment planning for various disease commonly occurring and prescription writing for the same and management of these lesions.

XII. CORPORATE CAMP TRAINING

- Attend camps at various corporate firms.
- Give presentation in camp about oral hygiene awareness.
- Primary, Secondary and Tertiary levels of prevention and care.

MINIMUM DURATION OF COURSE: 3 MONTHS

CHARGES: Rs 60,000/-