Specific Goals and Objectives by disciplines/clinical areas for adults and children

- Patient assessment and diagnosis
- Restoration of Teeth
- Promotion of oral and systemic health and disease prevention
- Pulpal therapy
- Hard and soft tissue surgery
- Restoration of the Edentulous Space, including occlusal disorders and dental implants
- Anesthesia
- Pain and Anxiety Control Management
- Medical risk assessment
- Emergency dental care
- Emergency Medicine/Medicine
- Ethics and Professionalism
- Dental inpatient/Same day surgery/Ambulatory surgery Care
- Applied pharmacology
- Organization and Function
- Oral Pathology
- Planning and providing comprehensive multidisciplinary oral health care
- Practice management, including practice/professional opportunities
- Risk Management
- TMJ disorders/orofacial pain
- Public Health
- Cultural Competence: LEP
DISCIPLINE/SUBJECT AREA:  Patient assessment and diagnosis

Objectives/Outcomes of Training:  Instruction in this discipline will enable the resident to:

- integrate medical and dental histories
- perform proper regional exam of the Head and Neck
- obtain a physical examination
- take and record vital signs
- recognize the presence of pathology
- order and interpret oral radiographs
- determine patient diagnosis
- recognize the need for specialty referral
- develop comprehensive treatment plans

DISCIPLINE/SUBJECT AREA:  Restoration of teeth

Objectives/Outcomes of Training:  Instruction in this discipline will enable the resident to:

- improve clinical skills, speed and judgement
- experience and utilize current techniques and materials
- become more proficient in performing restorative procedures
- confirm the utilization of varied restorative approaches based on an understanding of a desired clinical outcome

DISCIPLINE/SUBJECT AREA: Promotion of oral and systemic health and disease prevention

Objectives/Outcomes of Training:  Instruction in this discipline will enable the resident to:

- understand the importance of preventive oral health
- understand the importance of preventive systemic health, ie tobacco cessation, diet
- demonstrate the effects of proper oral hygiene
- motivate the patient in preventive aspects of dental caries and periodontal disease
- instruct patients to accept responsibility for their oral health

DISCIPLINE/SUBJECT AREA:  Pulpal therapy

Objectives/Outcomes of Training:  Instruction in this discipline will enable the resident to:

- to review and update basic endodontic principles
- to advance learned skills and techniques in endodontic therapy
- to develop an increased expertise in the treatment of multi-rooted teeth
- diagnose and manage emergency situations
- understand the indication for endodontic surgery
- diagnose and manage dental infections

DISCIPLINE/SUBJECT AREA:  Hard and Soft Tissue Surgery

Objectives/Outcomes of Training:  Instruction in this discipline will enable the resident to:

- enhance hard and soft tissue surgical skills and techniques recognized as being commonly and routinely performed by the general practitioner
- reinforce learning in diagnosis, emergency care and their application to hard and soft tissue surgery
- provide emergency treatment for acute dentoalveolar/ gingival/ periodontal diseases
- evaluate the patient with orofacial trauma
- diagnose and manage oral infections
- recognize pathological lesions
- diagnose orofacial trauma
- conduct an extensive and comprehensive intra-oral hard and soft tissue examination, including the periodontium
- provide effective postoperative care, follow-up and maintenance
- understand the relationship of restorative dentistry to intra-oral hard and soft tissues

DISCIPLINE/SUBJECT AREA:  Restoration of the Edentulous Space

Objectives/Outcomes of Training:  Instruction in this discipline will enable the resident to:

- improve and refine his/her present skills and familiarize himself/herself with new techniques in the areas examination, diagnosis, treatment planning and problem solving
- further develop the resident's skills in tooth preparation, temporization and impression techniques
- further develop the resident's skills in full/ partial removable denture design, tooth preparation and impression techniques
- develop the resident's understanding and management skills in the diagnosis, treatment planning and restoring of dental implants
- understand the importance of soft tissue management
- understand the restoring of vertical dimension and use of transitional/provisional appliances.
- provide effective written and verbal communication with the dental laboratory
- improve/refresh their ability to reline/ rebase utilizing hard and soft relining materials
- utilize current dental materials
- have an expanded understanding of occlusion and occlusal forces

DISCIPLINE/SUBJECT AREA:  Anesthesia

Objectives/Outcomes of Training:  Instruction in this discipline will enable the resident to:

- become familiar with the preoperative evaluation of the patient about to undergo the anesthetic procedure
- receive "hands on" patient care as an active participant in the delivery of the general anesthetic component of a surgical effort under direct supervision
- enhance the resident’s knowledge and experience in this hospital based discipline and be able to perform the anesthetic procedure with qualified supervision
- receive training in the use, applications and administration of various pharmacologic agents associated with local, regional and general anesthetic procedures and assess their effects
- gain experience in anesthetic induction, intubation and extubation and/ or masking procedures
- gain experience in venipuncture techniques
- gain experience in airway management
- become familiar with the use and applications of various
machines, disposable and accessory monitoring devices
employed in anesthesiology in patient monitoring
- become familiar with the post-operative care of these patients
in the PACU
- understand anesthetic emergencies and/or ways to prevent them

Responsible Faculty:
K. McGoldrick, M.D., Chief of Anesthesia at WMC
M. Girshin, M.D., Chief of Anesthesia at MET
M. Cullen, M.D. Director of Anesthesia at Phelps

DISCIPLINE/SUBJECT AREA:  Pain and Anxiety Control

Objectives/Outcomes of Training:  Instruction in this discipline
will enable the resident to:
- become familiar with the various modalities utilized, including
local anesthesia, behavior management, N2O,
sedation, and general anesthesia
- perform a pre-operative evaluation of the patient's needs for
anxiety management
- determine the need and request for consultation with other
medical staff personnel, when necessary
- gain experience in the overall management of the anxious
patient
- become familiar with the pharmacological agents used in pain
and anxiety control
- perform histories and review physical examinations
- develop a medical risk assessment
- provide dental care in outpatient and operating room venues
- learn one's limitations and make appropriate referrals

DISCIPLINE/SUBJECT AREA:  Medical Risk Assessment

Objectives/Outcomes of Training:  Instruction in this discipline
will enable the resident to:

- obtain an accurate medical history
- review physical examination findings
- order and interpret laboratory data when necessary
- recognize significant deviations from normal
- interpret the medical record, evaluate the patient's medical
status, make a medical risk assessment (ASA classification) and
appreciate the need for consultation when necessary prior to
beginning treatment

DISCIPLINE/SUBJECT AREA:  Emergency Dental Care

Objectives/Outcomes of Training:  Instruction in this discipline
will enable the resident to:

- gain experience in the diagnosis and treatment of odontogenic
and non-odontogenic emergency problems related to the oral and
maxillofacial region
- enhance skills and knowledge to diagnose and manage acute
infections, oral pain and traumatic injuries to dental and
maxillofacial structures.
- determine if admission is necessary
- perform wound debridement and suturing
- perform dentoalveolar surgery
Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:
- recognize deviations from normal health status
- utilize techniques of inspection, palpation, percussion, auscultation
- improve physical examination skills, especially in the areas of the cardiovascular and respiratory systems
- understand and appreciate physical examination findings
- learn the various laboratory investigations available and their interpretation
- be able to recognize acute and / or chronic medical conditions
- be able to understand medical disorders so the medically compromised patient can be managed appropriately in general dental practice (Medical Risk Assessment)
- attain increased understanding of the interrelationship between medical and dental health
- become familiar with common pharmacological agents and their use in medicine

Responsible Faculty:
G. Almond, MD/R. Chirurgi, MD, MET
E. Nigro, MD, Phelps
S. Borra, PA, WMC

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- Understand, apply and demonstrate the application of principles of:
  - ethical reasoning
  - ethical decision making
  - professional responsibility

they pertain to the academic environment, research, patient care, and practice management

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- admit and discharge patients
- maintain an inpatient/same day / ambulatory surgery chart
- conduct a medical history and obtain physical exam
- interpolate med hx, lab data and physical exam findings
- manage a hospital chart
- manage same-day/ amb sx/ in-house patients
- know O.R. protocol
- develop pre-op, intra-op, post-operative and discharge skills
- perform dental procedures in the O.R.
- dictate/ write an Operative Report
DISCIPLINE/SUBJECT AREA: Applied Pharmacology

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- develop and expand his/her knowledge of pharmacological therapies routinely used in dental medicine
- develop a knowledge of the indications, contraindications, adverse reactions and possible drug antagonistic and synergistic interactions
- use references such as online or PDR resources as pertaining to medications and other pharmacologic agents

DISCIPLINE/SUBJECT AREA: Organizational Structure

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- understand the role of the dental service in the hospital environment
- understand the chain of command and table of organization within a hospital, family health center and/or academic organization
- understand the responsibilities of the institutional dentist
- gain sufficient understanding of the organizational management structure, enabling one to become a member of the hospital medical /dental staff, public health service, community health center, etc

DISCIPLINE/SUBJECT AREA: Oral Pathology

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- reinforce and supplement their knowledge of oral pathology
- learn a systematic approach in formulating a differential diagnosis for primary oral lesions and the oral manifestations of systemic diseases

Responsible Faculty:
New York Institute of Clinical Oral Pathology
J. Doscher, DDS, Diplomate

DISCIPLINE/SUBJECT AREA: Planning and providing comprehensive multidisciplinary oral health care

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- present clinical findings
- present radiographic findings
- interpret radiographs
- develop alternative treatment plans
- develop comprehensive treatment plans
- recognize the need for specialty referral
- provide broad scope of general dentistry
- understand relationship of oral and systemic diseases when providing dental care
- integrate multiple disciplines of dentistry and medicine
DISCIPLINE/SUBJECT AREA: Practice Management

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- Career opportunities
  - private practice
  - academic/teaching sector
  - public health sector
- understand medical malpractice coverage
- understand and apply the principles of ethical reasoning, ethical decision making and professional responsibility as they pertain to the business of clinical practice management, including jurisprudence and risk management
- understand practice options
  - dental education positions
  - public health sector
  - private sector
    - associate, partnership, solo or group practice
  - location of professional activities
  - Practice development
- understand practice finances
  - capital for setting up a new office
  - operating costs
  - equipment costs and options
  - liability insurance
  - insurance coverages and third party nomenclature
  - staffing
- understand need for life and disability insurance
- investments for the professional
- incorporating ethical and professional behavior into practice
- management of allied dental professionals and other office personnel
- quality management
- principles of peer management
- informational technology
- managed care

Responsible Faculty: Roger Desroches, DDS; Joseph Morales, DDS

DISCIPLINE/SUBJECT AREA: Risk Management

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:
- understand risk management in providing care
- understand general consent
- understand informed consent
- recognize the need for complete and legible documentation of the patient medical record
- understand medico-legal issues, including malpractice

DISCIPLINE/SUBJECT AREA: TMJ disorders/orofacial pain

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:
- understand and provide non-surgical management of TMJ disorders, including anatomical and myofacial components thereof
- understand the relationship of occlusion to TMJ health
- understand and construct night guards
- manage acute TMJ/orofacial pain with palliative measures, including use of pharmacological agents

**DISCIPLINE/SUBJECT AREA: Public Health**

**Objectives/Outcomes of Training:** Instruction in this discipline will enable the resident to:
- Understand Population Health
- Understand the communities we serve
- Understanding public health competencies
- Understand the underserved/Health disparities/the barriers to care
- Prepare presentations for the above at public health seminars

Responsible Faculty: Barbara Greenberg, PhD, Peggy Liberatos, PhD
Denise Tahara, PhD

**DISCIPLINE/SUBJECT AREA: Cultural Competence: LEP**

**Objectives/Outcomes of Training:** Instruction in this discipline will enable the resident to:
- demonstrate ability to properly greet patients in elementary conversational Spanish
- demonstrate ability to question and understand patient’s ‘‘presenting’’ symptoms in elementary conversational Spanish
- demonstrate ability to question, understand and review patient’s history in Spanish
- demonstrate ability to present an overall treatment plan in elementary Spanish and utilize interpreter for major decisions made by the patient