

AAID Seattle MaxiCourse®

Comprehensive Implant Dentistry Curriculum

Module 1

Foundations of Implant Dentistry: Principles, Terminology, Assessment, and Surgical Fundamentals

Session	Content
Day 1	<ul style="list-style-type: none"> • Program orientation, educational objectives, and participant expectations • Historical development of implant dentistry and contemporary implant concepts • Implant terminology, macrodesign, materials, restorative interfaces, and system components • Core surgical principles relevant to implant therapy
Participatory session	<ul style="list-style-type: none"> • Suturing workshop: interrupted, continuous, locking, and tension-management techniques • Basic flap design and incision planning on models or
Day 2	<ul style="list-style-type: none"> • Diagnostic work-up and case documentation • Diagnostic photography, charting, and radiographic record standards • Clinical and radiographic site evaluation • Foundational CBCT interpretation for implant planning • Introduction to digital workflows: intraoral scanning, records
Participatory session	<ul style="list-style-type: none"> • Healed-site osteotomy sequencing on models • Guided review of drilling protocols, instrumentation, and
Day 3	<ul style="list-style-type: none"> • Bone physiology, healing biology, osseointegration, and timing protocols • Healing abutments, cover screws, and provisional

Module 2

Medical Evaluation, Pharmacology, Anatomy, and Patient Safety

Session	Content
Day 1	<ul style="list-style-type: none">• Comprehensive medical assessment for implant patients• ASA classification, medical risk stratification, and when medical consultation is indicated• Review of systemic conditions relevant to implant treatment planning• Medication assessment, including anticoagulants,
Day 2	<ul style="list-style-type: none">• Pharmacology related to implant care• Local anesthesia, antibiotic stewardship, analgesia, anti-inflammatory protocols, and sedation considerations within scope
Participatory session	<ul style="list-style-type: none">• Emergency preparedness workshop / BLS-CPR training as applicable
Day 3	<ul style="list-style-type: none">• Applied maxillary and mandibular anatomy for implant dentistry• Anatomical risk zones, sinus anatomy, nerve pathways, vascular considerations, and radiographic correlation• Radiographic interpretation principles, anatomical limitations,

Module 3

Hard- and Soft-Tissue Management in Implant Site Development

Session	Content
Day 1	<ul style="list-style-type: none">• Biomaterials: classification, indications, limitations, and evidence-based selection• Graft materials, membranes, biologics, and site-preservation
Participatory session	<ul style="list-style-type: none">• Biomaterial handling workshop• Socket grafting simulation and membrane stabilization
Day 2	<ul style="list-style-type: none">• Hard-tissue defect classification and treatment planning• Guided bone regeneration principles• Soft-tissue deficiency evaluation and management options• Connective tissue grafting, free gingival grafting, vestibular extension, and phenotype modification concepts• Decision-making for combined hard/soft tissue defects
Participatory session	<ul style="list-style-type: none">• GBR techniques on models• Crestal and lateral sinus augmentation simulation exercises
Day 3	<ul style="list-style-type: none">• Supervised soft-tissue surgical exercises on simulation or approved biologic models• Donor and recipient site planning• Suturing strategies for graft stabilization and tension control

Module 4

Implant Prosthodontic Principles, Tissue Shaping, and Immediate Therapy Concepts

Session	Content
Day 1	<ul style="list-style-type: none">• Second-stage exposure and soft-tissue access protocols• Conventional and digital impression concepts for implant restorations• Soft-tissue contour development with healing components,
Participatory session	<ul style="list-style-type: none">• Conventional and digital implant impression exercises• Emergence profile development on models
Day 2	<ul style="list-style-type: none">• Restorative material selection and prosthetic design principles• Abutment selection, screw-retained vs cement-retained considerations, and restorative risk assessment
Participatory session	<ul style="list-style-type: none">• Custom abutment design and restorative component
Day 3	<ul style="list-style-type: none">• Immediate implant placement concepts in non-esthetic sites• Immediate implant placement and provisionalization principles in esthetic sites• Case selection criteria, contraindications, provisionalization
Participatory session	<ul style="list-style-type: none">• Anterior implant planning and provisionalization exercises on

Module 5

Digital Implant Dentistry, Guided Surgery, and Emerging Technologies

Session	Content
Day 1	<ul style="list-style-type: none">• Digital workflows in implant dentistry• Intraoral scanning protocols and scan-body selection• Fundamentals of digital records integration• Overview of photogrammetry, dynamic navigation, and computer-assisted implant planning technologies
Participatory session	<ul style="list-style-type: none">• Intraoral scanning practice• Digital data capture and restorative planning exercises
Day 2	<ul style="list-style-type: none">• Principles of static guided surgery• Surgical guide design concepts, manufacturing considerations, verification, and limitations• Guided workflow from single-unit to full-arch applications• Risk management in digital planning and guided execution
Participatory session	<ul style="list-style-type: none">• Surgical guide planning review• Demonstration or hands-on guide verification and guided
Day 3	<ul style="list-style-type: none">• Ceramic implant overview and material-specific considerations• Digital case review seminar
Participatory session	<ul style="list-style-type: none">• Surgical-prosthetic digital workflow exercises on models

Module 6

Full-Arch Implant Rehabilitation: Removable, Fixed, and Advanced Clinical Applications

Session	Content
Day 1	<ul style="list-style-type: none">• Full-arch diagnosis and treatment planning• Prosthetic design categories for fixed and removable implant therapy• Restorative-driven planning for terminal dentition and
Participatory session	<ul style="list-style-type: none">• Full-arch conventional impression and verification concepts
Day 2	<ul style="list-style-type: none">• Surgical considerations in full-arch implant treatment• Biomechanics, occlusal design, restorative space analysis, and remote anchorage concepts• Provisionalization workflow, laboratory communication, and
Participatory session	<ul style="list-style-type: none">• Photogrammetry or digital full-arch record acquisition workshop
Day 3	<ul style="list-style-type: none">• Cadaver, anatomic dissection, or advanced surgical simulation session• Anatomy-based surgical planning, access design, implant positioning review, and complication avoidance• Emphasis on anatomical respect, scope limitations, and supervised

Module 7

Regenerative Adjuncts, PRF, Peri-Implant Tissue Health, and Selective Periodontal Support

Session	Content
Day 1	<ul style="list-style-type: none">• Biomaterial-tissue interaction and host response• Regenerative adjuncts relevant to implant and periodontal care• Principles of osseointegration and peri-implant tissue
Day 2	<ul style="list-style-type: none">• Growth factors and biologic modifiers in regeneration• PRF science, indications, preparation variables, and limitations• Evidence-based selection of regenerative materials and
Day 3	<ul style="list-style-type: none">• Phlebotomy and PRF preparation workshop• PRF handling and clinical application demonstrations• Maintenance and supportive care planning for peri-implant

Module 8

Complications, Ethics, Risk Management, and Medico-Legal Principles in Implant Practice

Session	Content
Day 1	<ul style="list-style-type: none">• Diagnosis of failed, failing, and compromised implant therapy• Surgical, prosthetic, biomechanical, esthetic, and maintenance-related complications• Evaluation of implant fracture, component fracture, screw loosening, bone loss, soft-tissue deficiency, and peri-implant disease• Differential diagnosis and decision-making for corrective care,
Day 2	<ul style="list-style-type: none">• Professional responsibility in implant dentistry• Ethical presentation of treatment alternatives• Informed consent as a process, not merely a signature• Risk disclosure, documentation of alternatives, prognosis, staged treatment, and financial consent• Recordkeeping standards for diagnosis, treatment planning, referrals, complications, postoperative instructions, and follow-up• Communication with patients, family members, restorative partners, specialists, laboratories, and insurers• Managing adverse events, complaints, and dissatisfaction in a legally prudent manner
Day 3	<ul style="list-style-type: none">• Comprehensive case reviews• Program assessment• Associate Fellow examination preparation or final program assessment, as applicable