

ORAL BIOLOGY STUDIES

BOOTCAMP



rdhedu.com webinar series

**General and Oral Pathology
Topic Outlines**



Are you ready?
Are you Ready?
ARE YOU READY?



TO LEARN AND EXPERIENCE
real ORAL BIOLOGY???

**BOOTCAMP
STYLE**



Oral Biology **BOOTCAMP** through rdhedu.com

- **For Oral Biology Instructors:**

Want a solid background in the most complex topics when working with your student base?

- **For Oral Biology Fans and Geeks:**

Can never get enough background in the most complex topics?



Going Beyond the Textbook with OBBC...

See the Light at the End of the Tunnel!



General Pathology: Part 1: INFLAMMATION

- **Innate Defenses to Microbiota,**
- **Inflammation:** Cytokines, Negative/Positives, Relationship Common Disorders
- **Hematopoietic stem cells (HSCs):** Monocyte/Macrophage; Pattern Recognition Receptors: M1/M2
- **Biochemical Mediators:** Toll-Like Receptors (TLRs)/Nod-Like Receptors (NLRs): Pathogen-Associated Molecular Patterns of Molecules (PAMPs) and Danger-Associated Molecular Patterns (DAMPs); Specialized Proresolving Lipid Mediators (SPMs), C-Reactive Protein (CRP)
- **Anti-Inflammatory Diet/Nutrition:** General Concerns/Periodontal Disease



General Pathology: Part 2: IMMUNITY (continued)

- **Primary: Red/Yellow Bone Marrow, Thymus Gland; Secondary Lymphoid Organs (SLOs):** Lymph Nodes with Fibroblastic Reticular Cells (FRCs)/Dendritic Cells (DCs), Mucosa-Associated Lymphoid Tissue (MALT); **Tertiary Lymphoid Organs (TLOs)**
- **B-Cell Types:** Follicular (FO) with Plasma Cell, Memory with Cell Receptor (BCR), Regulatory
- **Natural Killer (NK) Cell and Major Histocompatibility Complex (MHC)**



General Pathology: Part 2: IMMUNITY

- **T-Cell Types:** T Helper (Th), Memory, Natural Killer (NKT), Suppressor
- **Lymphocytes and Periodontal Disease**
- **Mast Cell Activation Syndrome (MCAS):** Comparison Type 1 Hypersensitivity, Histamine, Mast Cells (MCs), Disorders, Associated Inflammatory Diseases, Dysautonomia, Kounis Syndrome (KS), Dental Treatment/Periodontal Disease



Oral Pathology (continued)

- **Normal**
 - **History** - ask, observation, palpation
 - **Differential diagnostic categories**
 - **Sizes, location and shapes of lesions**
- **Identify Oral Cancer Screening**
 - Adjunctive diagnostic aids
 - Biopsy and cytology
- **White Patches**
 - **Features** - leukodema, infectious etiology, candidiasis, trauma, cheilitis, substance keratosis, leukoplakia,
 - **Oral Cancer** – Epidemiology, risks
 - **Lichen Planus**
- **Red Patches**
 - **Features** – candidiasis, mucositis, erythema, infectious diseases, cheilitis, erythroplakia



Oral Pathology (continued)

- **Ulcerative Lesions**
 - **Various types:** necrotizing sialometaplasia, basal cell carcinoma, syphilis
- **Multiple Ulcers/sloughing epithelium**
 - chronic
 - aphthous
 - Behcet syndrome
 - Viral diseases
 - Erythema Multiforme
 - BMMP
- **Single or Multiple Nodules/Swellings**
 - Fibroma
 - Pyogenic granuloma
 - HPV –types, common oral lesions
 - Verruca vulgaris
 - Neurofibromas
 - Drug induced oral lesions



Oral Pathology (continued)

- **Salivary Gland Neoplasia**
 - Pleomorphic adenoma
 - Malignant salivary gland disease
- **Pigmented Lesions**
 - Melanosis
 - Syndromes with pigmentation
- **Pathology of the Bone**
 - Metastatic tumors
 - Bisphosphonates
 - Osteonecrosis of the jaw
 - MRONJ and BRONJ



Never Really the End...



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OBBC Private Facebook Page too!**



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2017-2018

BE THERE

NO REGRETS

