

**Course Title:** Hand Therapy 138

**Course Subtitle:** Hand Infections Associated with Systemic Conditions

**Course Description:** Life expectancies for many systemic conditions, including human immunodeficiency virus (HIV), diabetes mellitus (DM), and rheumatoid arthritis (RA), have increased with more effective treatment regimens available. Such patients are at higher risk for infection because of their immunocompromised state. The higher incidence of complications due to upper extremity infections is well established for these patients. More specifically, treating physicians are increasingly encountering hand infections and, therefore, the management of these infections in patients with systemic conditions has become increasingly relevant. Furthermore, approaches to management of hand infections require individualized care and special consideration to the patient's healing potential within the context of the specific systemic condition. In this lesson, the authors aim to provide an overview of the presentation of hand infections in patients with associated systemic conditions and a review of the most current methods, techniques, evidence, and controversies in the management and treatment of hand infections for patients with HIV and diabetes mellitus; approaches for infection management in the setting of RA, tuberculosis, and transplant patients are also briefly discussed.

**Course Source:** Hand Clinics

**Course Length:** 1 hour

**Course Authors:** Multiple

**Course Instructor:** Joanne Brown, MS, OTR/L, CHT

**Target Audience:** OT/OTA's, PT/PTAs

**Educational Level:** Introductory, Intermediate, Advanced

The course is written at the intermediate level, but learners of all levels will benefit from the information.

**Course Objectives:**

At the end of the course, participants will be able to:

- Examine the diagnosis of HIV and explain how it compromises the immune system
- Describe the diagnoses of herpetic whitlow, human papillomavirus (HPV) and fungal infections
- Examine the condition of diabetes including diagnosis, presentation, treatment and discuss why people with diabetes are at an increased risk for hand infections

- Describe necrotizing fasciitis and its treatment
- Examine the diagnoses of rheumatoid arthritis, tuberculosis and transplant patients and describe why these people are at increased risk for hand infection

## **Outline of Content:**

### **Hour #1**

Introduction

Overview

Human immunodeficiency virus

    Diagnosis/presentation

    Treatment

    Herpetic Whitlow

    Human Papillomavirus

    Fungal Infections

    Complications

Diabetes Mellitus

    Diagnosis/presentation

    Treatment

    Necrotizing Fasciitis

Other systemic conditions

    Rheumatoid Arthritis

    Tuberculosis

    Transplant Patients

Summary

### **Instructional Methods and Formats:**

Online course available 24/7 at [www.OnlineCE.com](http://www.OnlineCE.com) includes text-based format with downloadable PDF

### **Course Completion Requirements:**

A minimum passing score of 100% is required for course completion. You will have as many attempts as needed until your passing score of 100% is achieved. Upon successful

completion of course, you will receive your certificate of completion and AOTA eligible CEUs.

**AOTA Classification Codes:**

Category 1: Domain of OT

Category 2: Occupational Therapy Process

Category 3: Professional Issues

**Additional Policies:**

OnlineCE Policies are available by clicking on the tab – Policies – located in the top-navigation bar.

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