



UNIVERSITY OF THE  
INCARNATE WORD

FEIK SCHOOL *of* PHARMACY

**CONTINUING EDUCATION**

*as a part of*



**controversies in clinical therapeutics**  
*Presents*

## **UNBREAKABLE: BISPHOSPHONATE USE IN PEDIATRIC PATIENTS WITH OSTEOGENESIS IMPERFECTA**

**Presenter:** MAJ Raina Covington Hart, PharmD  
PGY-1 Pharmacotherapy Resident  
Brooke Army Medical Center; San Antonio, TX

**Upon completion of this activity, pharmacists will be able to:**

1. Identify classifications of osteogenesis imperfecta
2. Describe the mechanism of action for bisphosphonates
3. Evaluate primary literature assessing the use of bisphosphonates pediatric patients with osteogenesis imperfecta
4. Determine if bisphosphonate therapy is appropriate for a pediatric patient with osteogenesis imperfecta

**Upon completion of this activity, pharmacy technicians will be able to:**

1. List medications used in the treatment of osteogenesis imperfecta
2. Identify the most common side effect with bisphosphonate infusions in pediatric patients
3. Identify the proper administration of pamidronate and zoledronic acid

**Date/Time:** Friday, March 31, 2023 from 2:00-3:00 PM  
**Location:** Live or Online Via Microsoft Teams  
**Room:** FSOP 533 or Click to [Join via Microsoft Teams](#)  
**CPE Credit:** 1.0 contact hours (UAN: 0445-0000-23-008-L01-P; 0445-0000-23-008-L01-T)  
**Activity Type:** Application-based activity  
**Target Audience:** Pharmacists and Pharmacy Technicians  
**Fees:** No fees; activity is free-of-charge  
**RSVP:** No RSVP required

**System Requirements: To access virtual programs, ensure your computer meets the following:**

**Operating System:** Windows 11, Windows 10 (excluding Windows 10 LTSC for Teams desktop app), Windows 10 on ARM, Windows 8.1, Windows Server 2019, Windows Server 2016, Windows Server 2012 R2.

**Browser:** Chrome (latest version), Firefox (version ≥ 52) Microsoft Edge, or Safari (version ≥ 11)

**Internet Connection:** Any type of high-speed internet service

**Peripherals:** Computer speakers or headphones with a microphone

**Memory (RAM):** Minimum 4GB (note: using minimum RAM may impact programs' functionality. At least 8GB RAM is recommended.)

**Processor:** Minimum 1.1 GHz or faster, two core

**Storage:** 3.0 GB of available disk space

The University of the Incarnate Word Feik School of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This program is designed for pharmacists and pharmacy technicians to gain knowledge related to bisphosphonate and osteogenesis imperfecta. There are no fees for this application-based CPE program. The pharmacist or pharmacy technician will only receive credit for programs after receiving a 70% on a post-test and an activity evaluation form is completed and submitted through FSOP's Learning Express CE website (<https://uiwfsop.learningexpressce.com/>). For detailed instructions on how to use the site, see the link at [www.uiw.edu/pharmacy/alumni/cpe.html](http://www.uiw.edu/pharmacy/alumni/cpe.html). Participants will have six weeks to complete the post-test and evaluation form. The deadline to submit the post-test and evaluation form to obtain CE credit is May 12, 2023.

