Stem Cell and Regenerative Treatment Task Force Meeting

Medical Board of California September 18, 2019

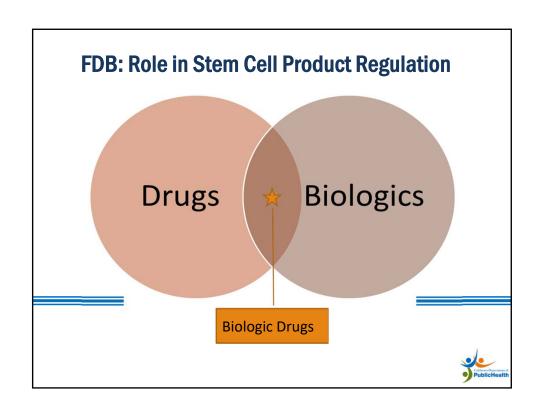


CDPH CEH DFDCS

Food and Drug Branch

Role in Stem Cell Product Regulation and Investigations







FDB: Activities

Regulatory

Environmental Scientists

- Inspection
- Embargo
- Condemnation
- Administrative Penalty

Investigative

Investigators

- Criminal Case
- Civil Penalty
- Injunction

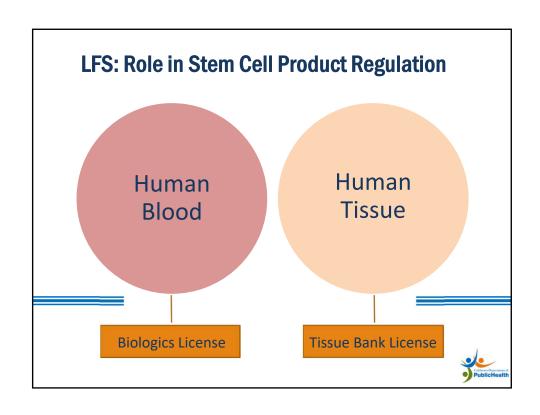


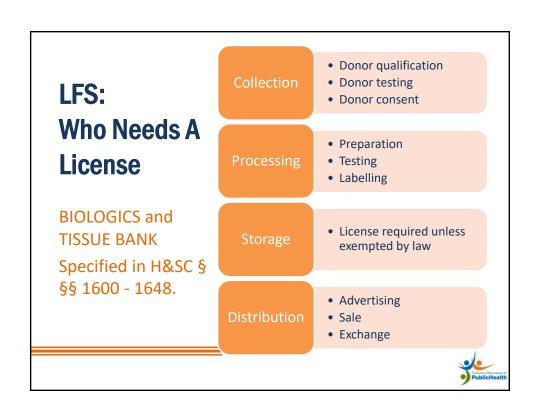
CDPH OSPHLD

Laboratory Field Services Branch

Role in Stem Cell Product Regulation and Investigations







LFS: Activities

Regulatory

- Inspection
- Investigation

Enforcement

- Injunction
- Suspension or revocation of licensure
- Fines
- · Civil penalties



CDPH CHCQ

Healthcare Associated Infections Program

Role in Stem Cell Product Regulation and Investigations



HAI: Role in Disease Investigations

HAI Program

 Provides guidance to local health departments for infection control breaches, outbreaks, and unusual infectious disease occurrences associated with receiving healthcare.

Local Health Department

- Performs epidemiological investigations
- Recommends follow up actions to healthcare facilities

Licensing and Certification

- Ensures facilities follow laws and regulations
- If regulatory deficiencies are identified, ensures facilities implement the approved plan of correction



Multistate Outbreak of Umbilical Cord Blood-Derived Stem Cell Injection-Associated Infections

- September, 2018: Reports of bacterial infections following injections of an umbilical cord blood-derived stem cell product from the ReGen Series® (produced by Genetech, distributed by Liveyon, LLC)
 - ReGen Series® product recalled in late September 2018
- As of December, 2018: 12 cases in 3 states (Texas, Florida, Arizona)
 - Multiple California providers received the product



CDC Morbidity and Mortality Weekly Report – December, 2018

Notes from the Field

Infections After Receipt of Bacterially Contaminated Umbilical Cord Blood–Derived Stem Cell Products for Other Than Hematopoietic or Immunologic Reconstitution — United States, 2018

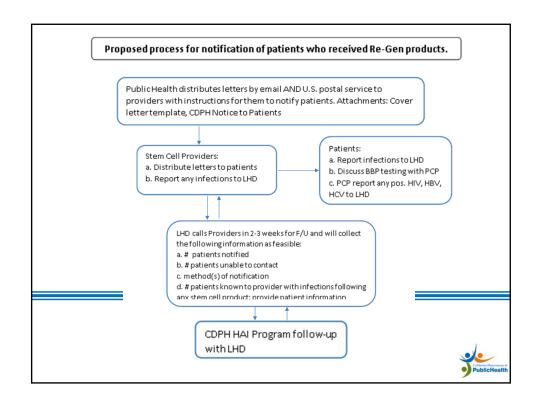
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CDC Recommendations for Patient Notification

- January 28, 2019: CDC recommended that all patients who received the recalled ReGen® series product be notified
 - Risk of bacterial infection
 - Low, but potential risk of HIV, HBV, HCV; need to consider bloodborne pathogen testing
- February 2019: HAI Program convened 20 local health departments to discuss 140 California providers who received shipments of the ReGen Series® product
 - Determined CDPH or local health department to notify providers, who should, in turn, notify patients of the risks and recommend they discuss testing with their regular healthcare providers





Patient Notification in California

- Stem cell providers notified: 139
 - -Estimated number of patients notified: 754
- Bacterial infections: 3 in CA residents (20 nationwide)
- No reports of bloodborne pathogen infections



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