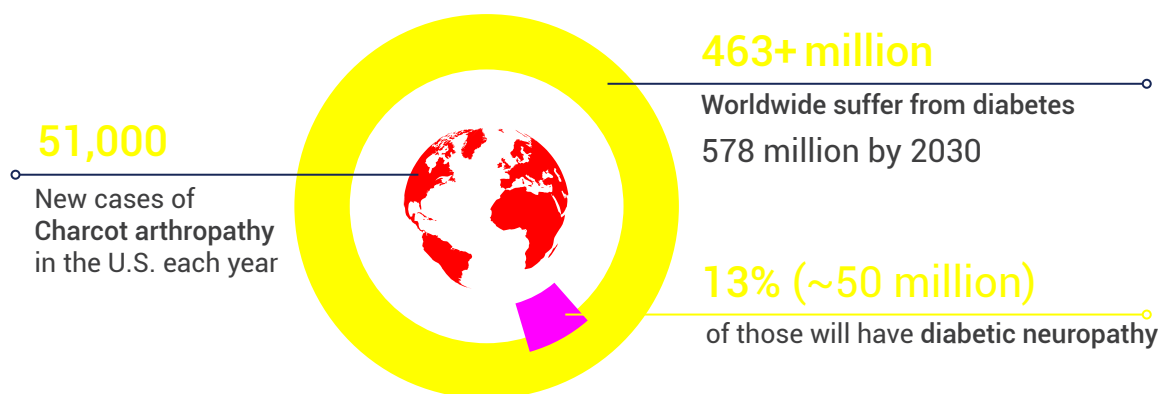


# NEW CLINICAL DATA—MAJOR REDUCTION IN PIN-TRACT INFECTION

With surgical procedures involving external fixation rising,  
**Preventogen can be part of the solution in limb preservation**

## DIABETES: A growing pandemic<sup>1</sup>



**THE SOLUTION:** Foot and ankle surgeons are at the forefront of external fixator limb salvage procedures with a 90% success rate<sup>2-4</sup>

- The most common complication associated with external fixation is pin-tract infection

## THE CHALLENGE OF TREATMENT: Pin-tract infections<sup>5</sup>

A review of 150 Journal Articles from 1980-2014 covering 6130 total patients showed:

**Overall pin-tract infection rate of 27.4%**



References: 1. Snouffer, E. (Nov 15, 2019). Diabetes Atlas Reports 46.3 Million with Diabetes. *Diabetes Voice*, Retrieved from diabetesvoice.org 2. Rogers LC, Frykberg RG, Armstrong DC, Boulton AJ, Edmonds M, Van GH, et al. (2011) The Charcot foot in diabetes. *Diabetes Care*, 34:2123-9. 3. Lobst C, Liu R. (2016). A systematic review of incidence of pin track infections associated with external fixation. *Journal of Limb Lengthening & Reconstruction*(2):6-16. 4. Pinzur RS, Gil J, Belmares J. (2012) Treatment of osteomyelitis in Charcot foot with single-stage resection of infection, correction of deformity, and maintenance with ring fixation. *Foot Ankle Int*, 33(12):1069-1074. 5. Pema, S. (Dec 1, 2018). Retrospective Evaluation of Microbicidal Polymer Dressing for Reduction of Infection Following Post Deformity Correction Surgery. *J Drugs Dermatol*, 17(12):1322-1324.

# PREVENTOGEN

## Non-antibiotic infection prevention

### Preventogen is a revolutionary wound care polymer

Actively kills all bacteria, fungi and viruses on contact

- Forms an elastomeric barrier that protects the wound
- Prevents bacterial adhesion

Contains no antibiotics

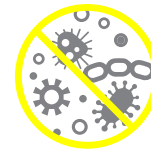
- No known microbial resistance

Elastomeric barrier seals and protects the pin-tract site

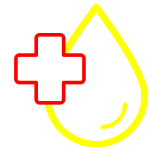
- Film barrier is waterproof and odorless
- Biodegradable, with no need to remove prior product
- Can be used under fluoroscopy

Provides an optimal healing environment

- Better patient outcomes



Microbicidal



Seals & Protects



Non-antibiotic



Better patient outcomes

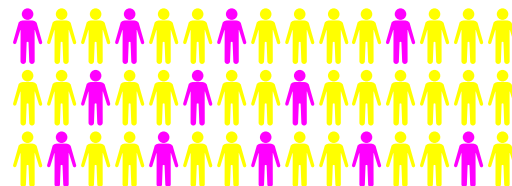
### Clinically proven protection from pin-tract infections

In an IRB randomized prospective study Preventogen showed a statistically significant reduction in pin-tract infections ( $P < 0.001$ )

**Preventogen n=60**  
**NO (0%) PIN-TRACT INFECTIONS**  
Eliminated staph and bioburden around wound



**Control n=60**  
**14 (23%) PIN-TRACT INFECTIONS**



In a retrospective evaluation of Preventogen following post deformity correction surgery:

 **Preventogen: 6 patients with 66 pins = NO (0%) PIN-TRACT INFECTIONS**