

# Chelation: A New Dynamic In Wound Care

## POSTER 2 OF 2

### BACKGROUND

81 year old female patient with multiple chronic non-healing wounds for 6+ years.

#### PATIENT'S MEDICAL HISTORY

##### 2014

- Cancer of left breast, stage 1, estrogen receptor positive
- Acute CHF (congestive heart failure) possibly diastolic
- Mitral valve replacement 2014 and 2021

##### 2015

- Neuropathy, toxic (HCC)
- Osteoarthritis, localized, shoulder, right
- Hyperlipidemia

##### 2016

- Surgery right ankle fusion due to neuropathy
- Right ankle infection
- 3 Skin grafts lower extremity with later failure of grafts

##### 2017

- Split thickness graft right lower leg with later failure of grafts
- Congenital lymphedema

##### 2018

- PVD (peripheral vascular disease) (HCC)
- Atherosclerosis of native artery of both lower extremities with intermittent claudication (HCC)
- Varicose veins of left lower extremity with ulcer of ankle with fat layer exposed (HCC)

##### 2019

- Thigh shingles
- Bell's palsy

##### 2020

- Open wound of right knee with artificial knee with complication, subsequent encounter
- Popliteal artery stenosis, right (HCC)
- Tibial artery stenosis, right (HCC)

##### 2021

- Mitral valve replacement

##### 2022

- Acute respiratory failure with hypoxemia (HCC)
- Acute on chronic systolic CHF
- Acute PE
- Multiple open Wounds in bilateral low ext
- Moderate protein-calorie malnutrition (HCC)
- Hypercholesterolemia
- S/P MVR (mitral valve replacement)
- UTI (urinary tract infection)
- Sepsis (HCC)
- Pacemaker implanted

### CASE STUDY

8/28/22



9/29/22



11/8/22



2/22/23



#### Previous costs and treatments 2016 -July 2022 have included:

1. Amniotic Tissue on at least three different occasions totaling a cost of over \$200,000.
  2. Dermal skin used on at least three occasions totaling at east \$80,000.
  3. Hyperbaric chamber, Infiximab, Warton's jelly injections, true relief treatments over \$120,000.
  4. Multiple operating room debridements costing over 200,000.
  5. Weekly office visits over \$200,000
- Approximate total: \$800,000.00**

#### Outcome:

There was intermittent improvement between 2016 and the first half of 2022 using the previous treatments noted above. During the previous time of care the wounds continued to fail and increased in size.

#### New Treatment Protocol:

The patient was changed to:

- Thermoset Anti-biofilm Cleanser
- AgFresh™ Wound Hydrogel 2-part suspension wound dressing

The wounds were cleaned and dressings were changed 3X a week.

#### Results After Three Months of Treatment.

1. Two wounds completely resolved.
  2. Two wounds have reduced 60-70% in size and healthy viable tissue can now be seen over the entire area of each wound.
  3. Total product costs to date less than \$300.
  4. Weekly office visits \$7,500.
  5. Treatment will continue to full resolution of remaining wounds.
- Approximate total: \$7,800.00**

### INVESTIGATORS

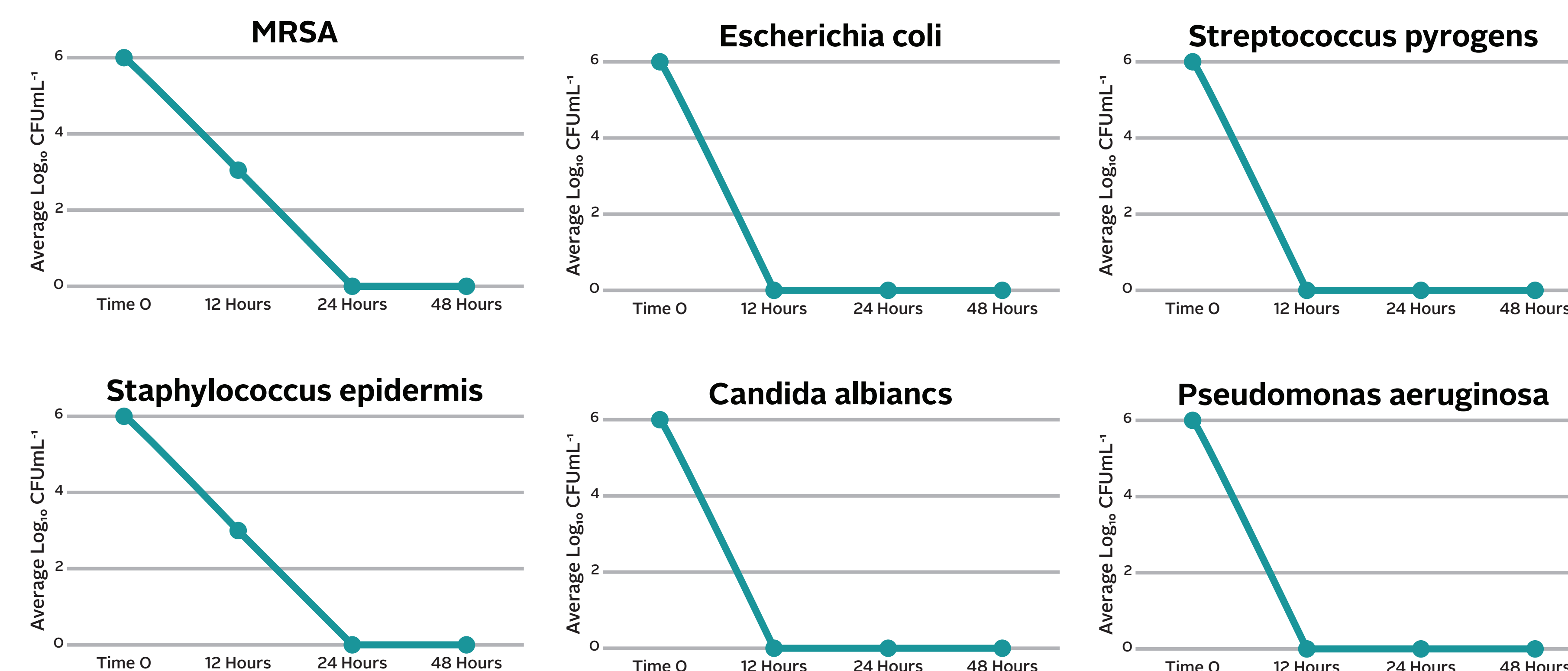
Michael Lavor, MD is Medical Director of Saguardo Wound Care Clinic. He served as Dept. Chairman for General and Vascular Surgery at Tucson Medical Center, and Chief of Surgery and Staff at El Dorado Hospital. He is board certified in general surgery and fellow in the American College of Surgeons. He's past president of the Rocky Mountain Vascular Surgical Society, a Fellow in the Southwestern Surgical Congress.

He was Commander/OIC of a surgical base in Afghanistan, 2012-2013. Jessica Barcelo (CCMA) is a clinically certified medical assistant. She served two years as clinical lead for an urgent care center with an additional two-years experience as a wound care specialist.



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### STUDY PRODUCT ANTIMICROBIAL TESTING FOR SELECT PATHOGENS



### AgFresh™ Technology

guarantees that wound care specialists are getting fresh, not aged, silver in every package. The two-compartment sachet separates the water-based hydrogel from the silver-Fentonite™ proprietary blend. AgFresh™ delivers fresh silver that is ready to fight infections with the full potency health care experts expect. If it doesn't say AgFresh™ then you may be getting "aged" silver.

### Fentonite™

A proprietary blend of minerals and nutrients that cleanse and aid in the antimicrobial effectiveness of silver and other medicants.

### STUDY PRODUCT WITH FENTONITE BARRIER BLOCKS CHLORIDE

