

SAWC Spring | WHS

Innovation Theater Breakfast (non-CME)

EscharEx[®], an Innovative Multimodal
Enzymatic Debridement Agent for the
Treatment of Chronic Wounds



May 03, 2025; Grapevine, Texas



Vickie R. Driver, DPM, MS, FACFAS



Robert J. Snyder DPM, MBA, MSc



John C. Lantis II, MD



Cyaandi R. Dove, DPM

Agenda

Time	Title	Presenter
07:30-07:40	Welcome	
07:40-07:50	Wound bed preparation and healing	Vickie R. Driver
07:50-08:05	EscharEx - mechanism of action	Robert J. Snyder
08:05-08:15	EscharEx in VLU - case studies	Cyaandi R. Dove
08:15-08:30	VALUE phase III study design and status update	Vickie R. Driver
08:30-08:40	EscharEx in DFU - case studies	Cyaandi R. Dove
08:40-08:50	EscharEx in DFU - planned clinical study and post-hoc analyses from phase II	John C. Lantis
08:50-09:00	Q&A	

Speakers Disclaimers

Speaker	Disclaimer
Vickie R. Driver	Chair of R&D committee at MediWound's Board of Directors
John C. Lantis	Consultant and an investigator in ChronEx study
Cyaandi R. Dove	Consultant and an investigator in ChronEx and PharmEx studies
Robert J. Snyder	MediWound's Chief Medical Officer



The importance of wound bed preparation in chronic wounds healing

Vickie R. Driver, DPM, MS, FACFAS, FAAWC

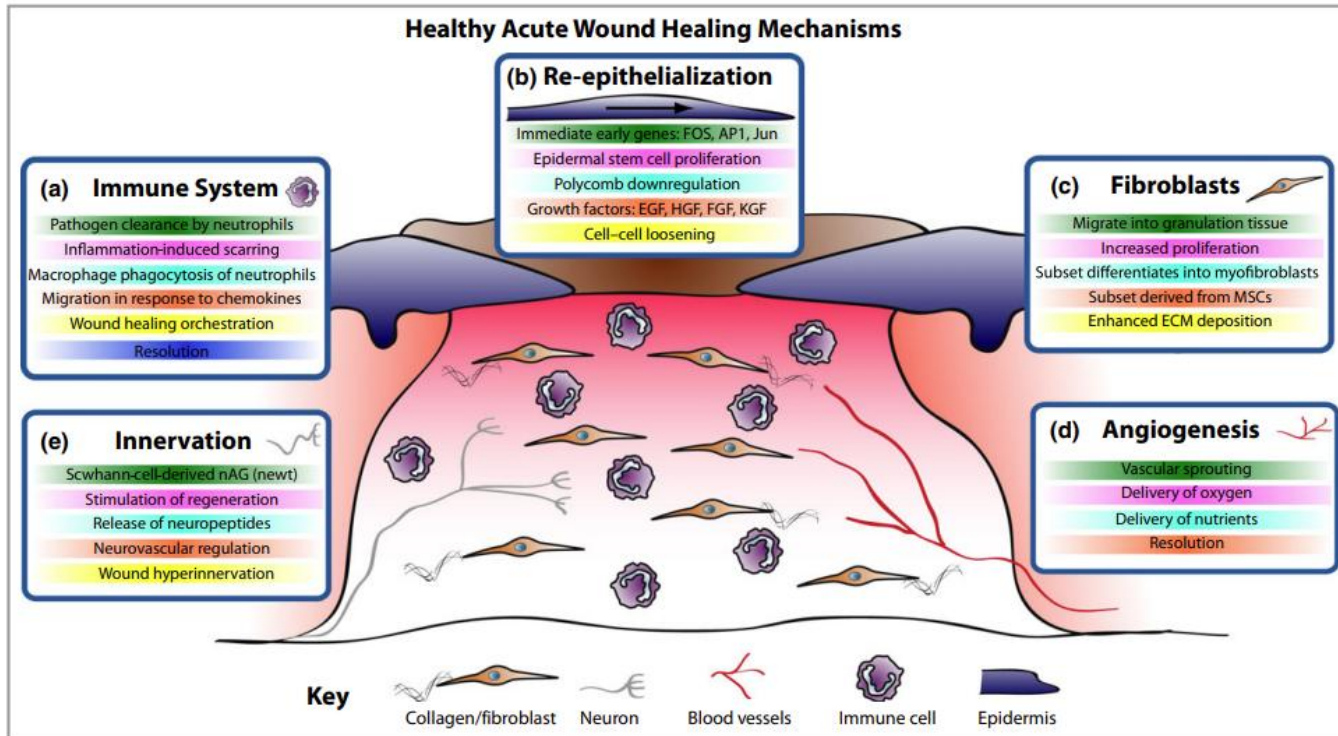
Chair Wound Care Collaborative Community

Professor, Washington State School of Medicine

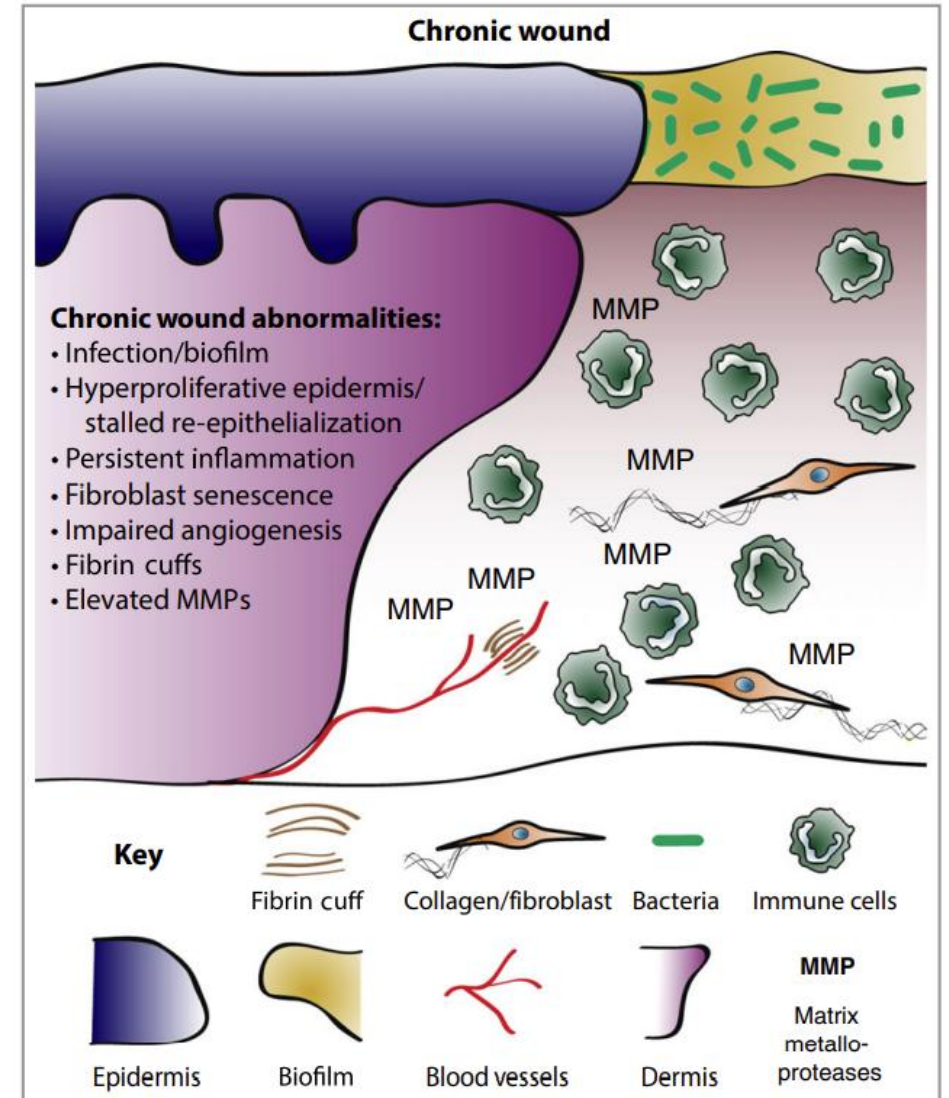
Professor, Barry University, adjunct

SAWC Spring
Grapevine, TX, May 2025

Acute vs. Chronic Wound Healing Processes

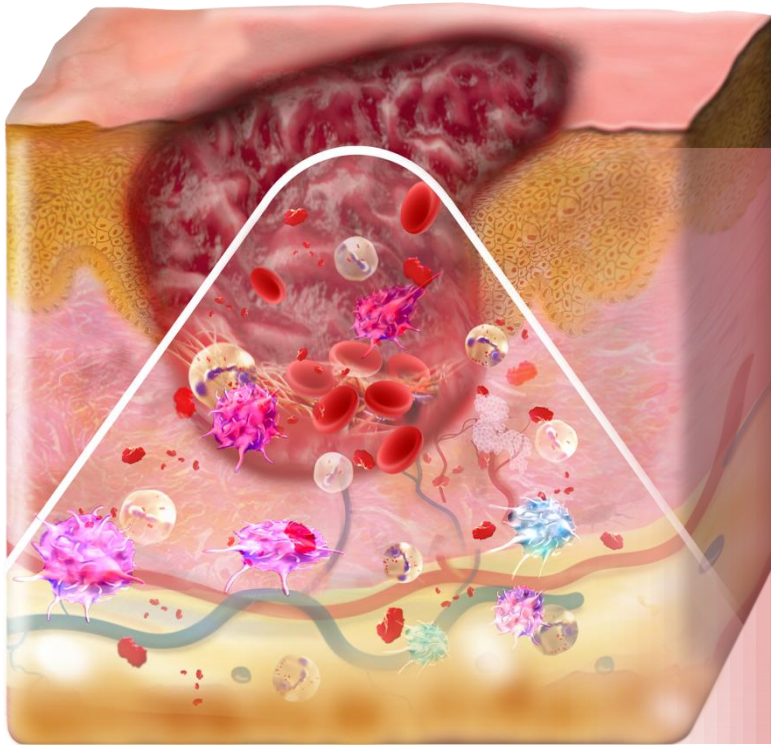


P. Martin and R. Nunan (British Journal of Dermatology, 2015)



Chronic Wounds Often Stall in Inflammatory Phase

Characterized by a hyper-proteolytic environment



Excessive bacterial bioburden and biofilm¹

Increased neutrophil accumulation²

Proinflammatory cytokines^{3,4}

Pro-inflammatory (M1) macrophages³

Elevated MMP levels^{2,3}

Decreased TIMP levels^{2,3}

STALLED INFLAMMATORY PHASE

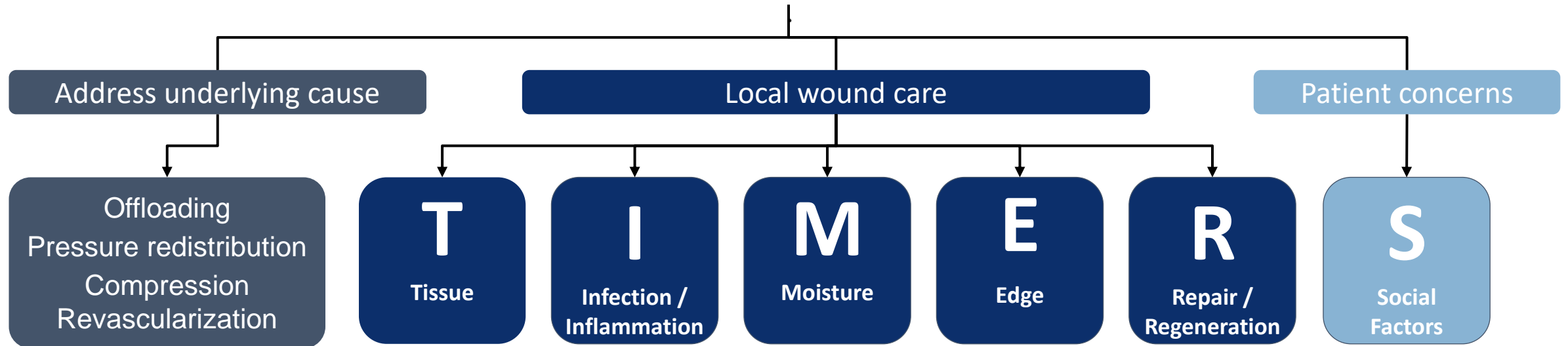
MMPs=matrix metalloproteinases; TIMP=tissue inhibitor of metalloproteinases.

1. Trøstrup H, et al. *Ulcers*. 2013;625934. doi.org/10.1155/2013/625934. 2. Medina A, et al. *J Burn Care Rehab*. 2005;26(4):306-319. 3. Hesketh M, et al. *Int J Molec Sci*. 2017;18(7):1545. 4. Frykberg RG, et al. *Adv Wound Care*. 2015;4(9):560-582.

Successful Treatment of Chronic Wounds

The required comprehensive approach, using TIMERS framework

Chronic Wound



Adequate Debridement and Healthy Granulation Tissue

The key components of wound bed preparation

Wound bed preparation: a systematic approach to wound management

GREGORY S. SCHULTZ, PhD^{1,*}; R. GARY SIBBALD, MD^{2,*}; VINCENT FALANGA, MD^{3,*}; ELIZABETH A. AYELLO, PhD⁴;
CAROLINE DOWSETT⁵; KEITH HARDING, MB, ChB⁶; MARCO ROMANELLI, MD, PhD⁷; MICHAEL C. STACEY, DS⁸;
LUC TEOT, MD, PhD⁹; WOLFGANG VANSCHIEDT, MD¹⁰

(WOUND REP REG 2003;11:1-28)

*“Wound bed preparation focuses on all of the critical components, including **debridement**, **bacterial balance**, and management of **exudate***

*The ultimate aim is to ensure formation of **good-quality granulation tissue** leading to complete wound closure.”*

The Importance of Debridement

Remove necrotic and non-vital tissue that impairs repair process

Remove senescent cells from wound bed

Remove non-migratory cells from ulcer edge

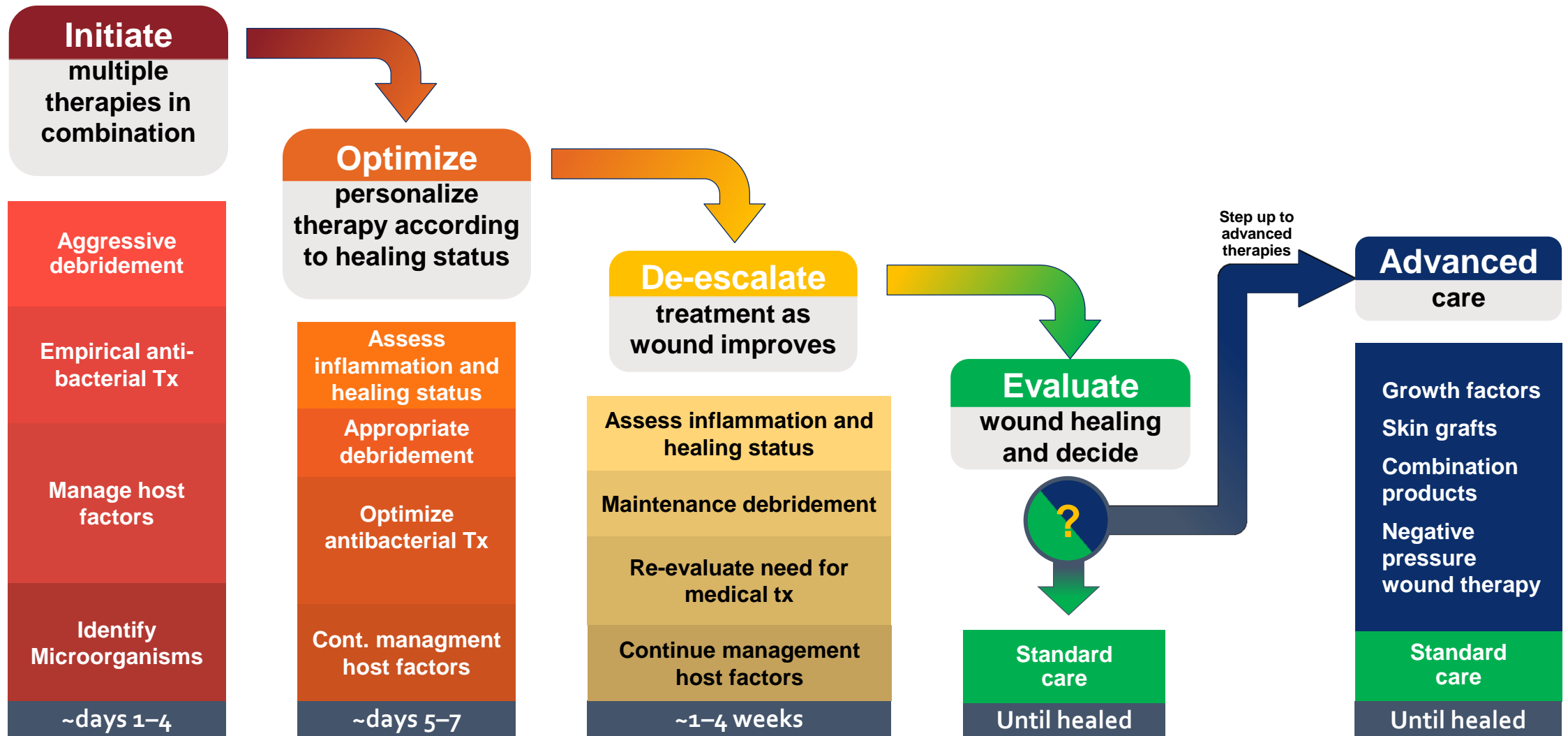
Control excessive or abnormal bacterial load

Allow improved availability of growth factors

Allow wound assessment (e.g., depth, tunnels)

Manage and control the pathology

Effective Strategy for Managing Infection and Inflammation



The Importance of Healthy Granulation Tissue

Angiogenesis

Cellular migration and
proliferation
(fibroblasts, endothelial cells,
macrophages, keratinocytes)

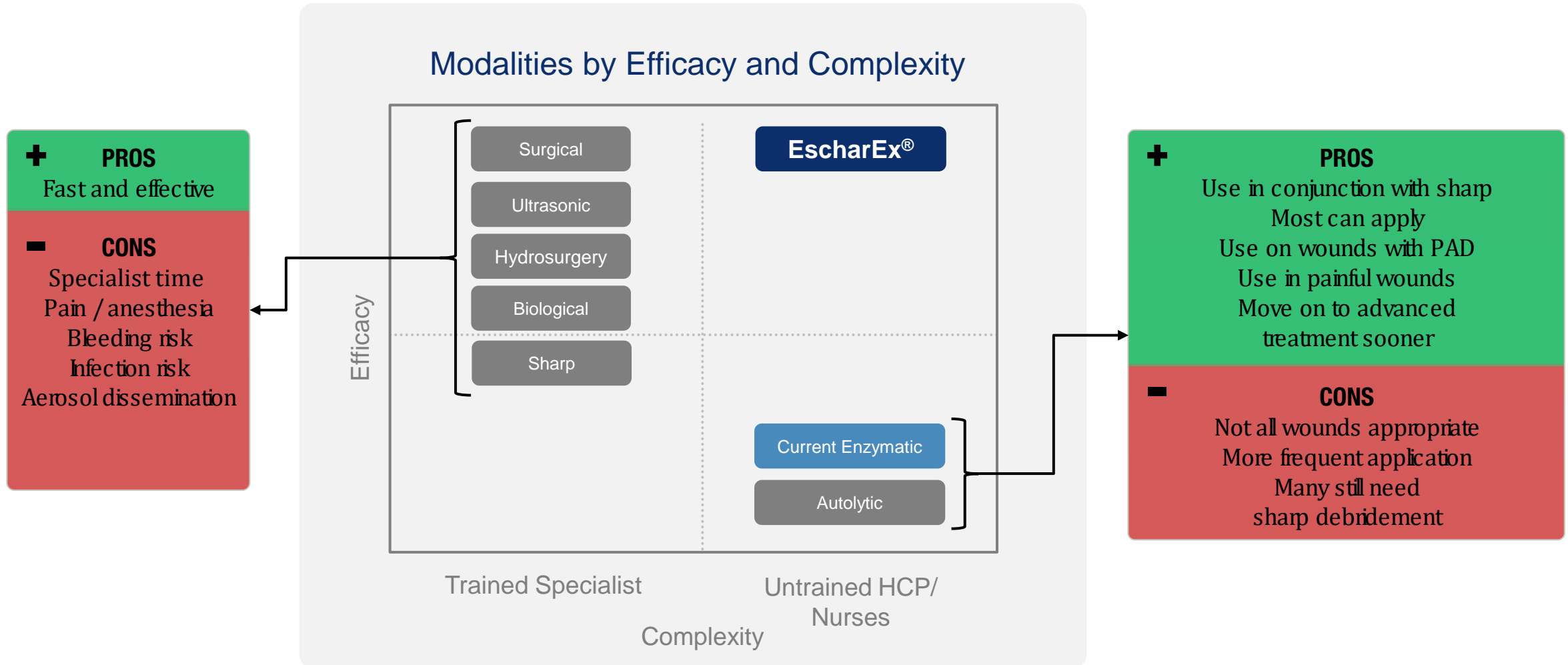
Reducing risk
of infection

Wound contraction
and closure



EscharEx Innovative Treatment: Simple, Fast AND Effective

Significant unmet medical need for rapid and effective WBP agent



EscharEx[®] : BBD - Bromelain Based Debridement

- Investigational biological product in **late-stage clinical development**
- Mixture of proteolytic enzymes enriched with **bromelain**, derived from the stem of **pineapple plant**
- Same **active ingredient** as **NexoBrid[®]**, FDA/EMA approved for eschar removal in burns
- **Phase 2 trials** (VLU, DFU, traumatic ulcers) showed superiority over placebo hydrogel & non-surgical standard of care^{1,2} in **debridement** of non-viable tissue, and promotion of **granulation** tissue in patients with **chronic wounds**
- Ongoing global phase 3 study (VALUE) for VLU and planned clinical trial for DFU



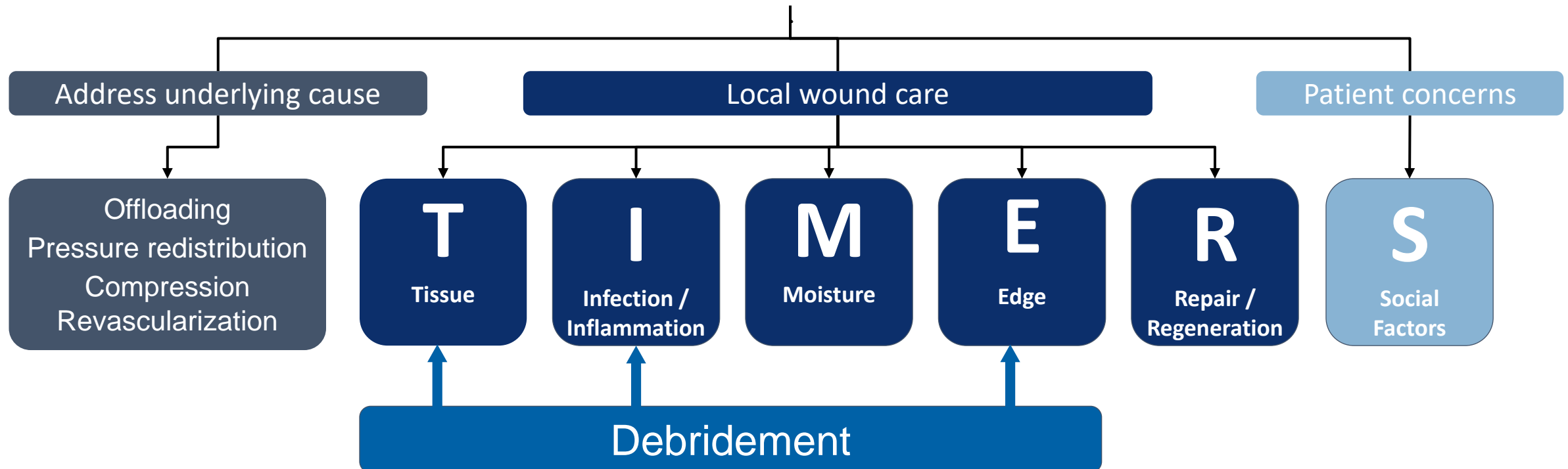
Thank You!!



Role of Debridement in Wound Bed Preparation

The required comprehensive approach, using TIMERS framework

Chronic Wound



Role of Healthy Granulation in Wound Bed Preparation

The required comprehensive approach, using TIMERS framework

Chronic Wound

