

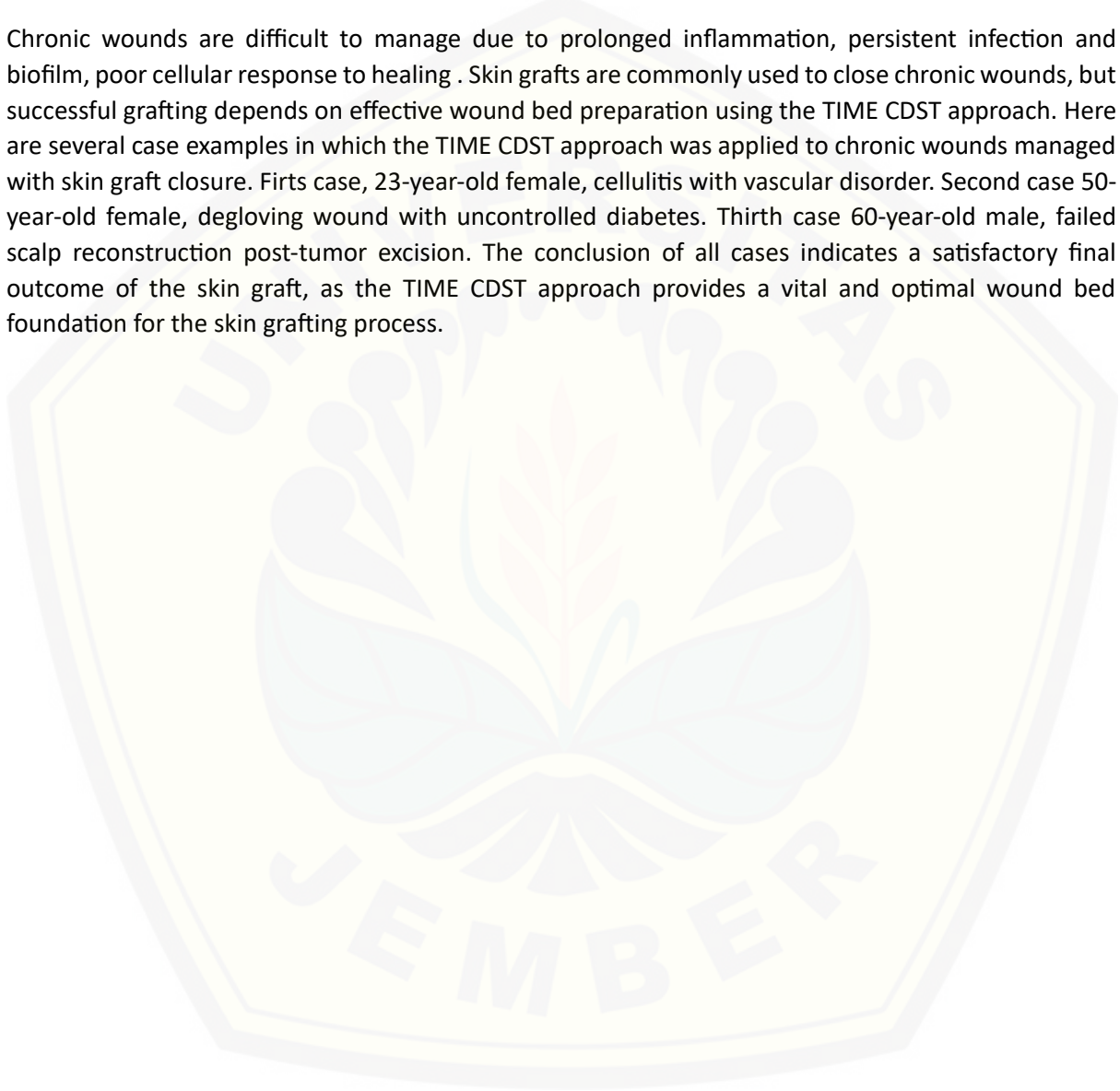
Applying the TIME-Based Wound Healing Approach for Cases Needing Skin Graft

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ABSTRACT

Chronic wounds are difficult to manage due to prolonged inflammation, persistent infection and biofilm, poor cellular response to healing . Skin grafts are commonly used to close chronic wounds, but successful grafting depends on effective wound bed preparation using the TIME CDST approach. Here are several case examples in which the TIME CDST approach was applied to chronic wounds managed with skin graft closure. Firts case, 23-year-old female, cellulitis with vascular disorder. Second case 50-year-old female, degloving wound with uncontrolled diabetes. Thirth case 60-year-old male, failed scalp reconstruction post-tumor excision. The conclusion of all cases indicates a satisfactory final outcome of the skin graft, as the TIME CDST approach provides a vital and optimal wound bed foundation for the skin grafting process.





InaPRAS

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One Live Surgery & Conference	☐ LS1 ☐ LS2 ☐ LS3	IDR 7.500.000	IDR 8.500.000	USD 450	USD 600
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Scientific Schedule Sebagai Pemateri

*Speaker within confirmation

DAY 1 CONGRESS THURSDAY, JULY 31 st , 2025			
07.00 - 08.00	InaPRAS - New Member Inauguration Ballroom		
08.00 - 09.00	Nusantara Track 1 - Sumatera 1 Moderator: Benni Raymond - Padang Ballroom	Nusantara Track 2 - Java 1 Moderator: Koh Khai Luen - Kuala Lumpur Washington Room	Nusantara Track 3 - Bali-Nusra 1 Moderator: Leow Aik Ming - Perak New York Room
08.00 - 08.12	Cell Based Therapy and Banked Tissue for Plastic Reconstructive Surgery Benni Raymond - Padang	Practical Steps in Mandible Reconstruction Parintosa Atmodiwirjo - Jakarta	Z-Plasties and Local Flaps Loelita M. Lumintang - Denpasar
08.12 - 08.24	Strategies to Deal with Hand Trauma Under the Public Insurance (BPJS) Policy Defry Rivandra Utama - Medan	Practical Steps in Lymphovenous Bypass for Lymphedema Mohamad Rachadian Ramadan - Jakarta	Avoiding Visible Scars on Facial Aesthetic Surgery Vivi Guizot - Denpasar
08.24 - 08.36	Nose Reconstructions: My Experiences Mulyadi - Pekanbaru	Practical Steps in Harvesting SCIP Flap Dewi A. Mukarrahmah - Jakarta	Applying the Time Based-Wound Healing for Cases Needing Skin Graf Ulfa Elfah - Jember
08.36 - 08.48	Making Aesthetic Practice Workable in the Public Hospital Kuswan Ambar Pamungkas - Jakarta	Discussion	Developing Aesthetic Practice in Private Clinic Bali Experiences Agus Roy R. Hamid - Denpasar
08.48 - 09.00	Discussion		Discussion
09.00 - 09.45	Opening Ceremony Ballroom		
09.45 - 10.00	Coffee Break Exhibition Area		
10.00 - 11.00	Plenary Lecture 1 Moderator: Theddeus O. H. Prasetyono - Jakarta Ballroom		
10.00 - 10.30	Lesson from Art Masters in the Practice of Surgery Kevin C. Chung - Michigan		
10.30 - 11.00	Bridging Intelligence, Mindfulness, and Awareness (BIMA): A Regenerative Framework for Ethical Innovation in Plastic and Reconstructive Surgery Rudolf Wirawan - Adelaide		
11.00 - 12.00	Lunch Symposium By INFION From Clinical Evidence to Expert Consensus - The Power of Gentle in Burn Care Moderator: Theddeus O. H. Prasetyono - Jakarta		
11.00 - 11.30	The Future of Burn Management in APAC: How Smart Dressing Improve Patient Outcomes Chew Khong Yik - Singapore		
11.30 - 11.50	Indonesia Challenges in Burn Care: Experiences with Silicon Advanced Wound Dressing Lisa Hasibuan - Bandung		
11.50 - 12.00	Discussion		
12.00 - 13.00	Lunch Break Exhibition Area		

Scientific Schedule

*Speaker within confirmation

DAY 1 CONGRESS THURSDAY, JULY 31 st , 2025					
13.00 - 13.30	Moenadjat Memorial Lecture Moderator: Lisa Hasibuan - Bandung Ballroom What do We Know about Fat Grafting Lee L. Q. Pu (Irvine)				
13.30 - 14.30	Aesthetic Track 1 - Face, Neck and Breast Moderator: Audy Budiarti - Jakarta Ballroom	Satellite Sponsor by KALBE sNPWT for Reduce Surgical Site Infection on Burn Cases Moderator: Washington Room	Satellite Sponsor by INFION Sculpting Perfection: The Next Generation in Novel Silicon Facial Implant Designed Moderator: Eliza Nindita - Medan New York Room	Free Paper Presentation & Research Proposal Matyland Room & Florida Room	E-poster Presentation Exhibition Area
13.30 - 13.45	Otoplasty Simple and Safe Procedures Tik Tan - Rotterdam	Enhancing Wound Healing Outcomes: NPWT NPWT With Instillation and PICO When and How to Use It Nandita Melati - Jakarta	Sculpting the Future: Cutting-Edge Design in Silicone Facial Implants Frank Buchari - Medan		
13.45 - 14.00	Total Aesthetic Neck Surgery Darryl Hodgkinson - Sydney				
14.00 - 14.15	Push-up Mammoplasty As A Breast Reshaping and Repositioning Procedure Akın Yücel - Istanbul (Recording)	TBA Principle Kalbe Farma	From Concept to Contour: Revolutionizing Facial Aesthetics with Novel Silicone Implant Technology Andy Tan - Medan		
14.15 - 14.30	Discussion	Discussion	Discussion		
14.30 - 15.30	Aesthetic Track 2 - Periorbital Surgery and Rejuvenation Moderator: Vivi Vinata Guizot - Denpasar Ballroom	Aesthetic Track 3 - Breast and Body Contouring 1 Moderator: Irena S. Rini - Jakarta Washington Room	Video Parade 1 - Rhinoplasty: Implant or Cartilage Graft Technique Moderator: Lok Hue Yap - Kuala Lumpur New York Room	Free Paper Presentation Matyland Room & Florida Room	E-poster Presentation Exhibition Area
14.30 - 14.45	The Aesthetic Principle of Managing Sunken Eye Chang Chien Yang - Taipei	Robotic And Endoscopic Body Contouring Techniques Versus Open Method. Marco Faria Correa - Singapore	Optimizing Long-Term Results in Dorsal Augmentation Asian Rhinoplasty Using Autologous Cartilage and Platelet-Rich Plasma Tasya Anggrahita Rinintyaring Putri - Jakarta		
14.45 - 15.00	Managing Complications of Eyelids - After Fat Grafting / Filler Chang Chien Yang - Taipei	Safety in Body Contouring Akhmed Rakhimov - Moscow	Enhancing Rhinoplasty Outcome for Ethnic Patients With Thick Skinned Noses Leow Aik Ming - Perak		
15.00 - 15.15	A Rare Delayed Complication of Lower Blepharoplast Shamala Durairajanayagam - Kuala Lumpur	Circumferential Abdominoplasty Gustavo Abrile - Posadas (Recording)	Augmentation Rhinoplasty in Asian with Rectus Fascia Wrapped Laminated Rib Cartilage Graft Koh Khai Luen - Kuala Lumpur		
15.15 - 15.30	Discussion	Discussion	Discussion		
15.30 - 16.00	Coffee Break Exhibition Area				

Scientific Schedule

*Speaker within confirmation

DAY 1 CONGRESS THURSDAY, JULY 31 st , 2025					
14.30 - 15.30	Aesthetic Track 4 - Breast and Body Contouring 3 Moderator: Enrina D Nurmeirini - Jakarta Ballroom	Aesthetic Track 5 - Rhinoplasty Moderator: Kristaninta Bangun - Jakarta Washington Room	Video Parade 2 - Facelift-in Variations and Difficult Breast Moderator: Imam Susanto - Jakarta California Room	Free Paper & Research Presentation Mayland Room & Florida Room	E-poster Presentation Exhibition Area
14.30 - 14.45	Medial Thighplasty and Brachioplasty Combined with Radiofrequency Assisted Liposculpture Damiano Tambasco - Rome	14.30 - 14.42 Adjusting the Implant in Rib cartilage Asian Rhinoplasty Teuku Adifitrian - Jakarta	Management of The Salivary Glands In Facelift Surgery Darryl Hodgkinson - Sydney		
14.45 - 15.00	Refining Body Contouring Liposculpture, Fat Grafting And Brazilian Butt Lift (BBL) Marco F Correa - Singapore	14.42 - 14.56 How to Achieve A Predictable and Stable Tip Position in Rhinoplasty Haldun Kamburoğlu - Ankara	Combining Techniques of Facelift into My Practice Maksut Kadyrov - Bishkek		
15.00 - 15.15	Thigh Lift and Contouring Gustavo Abrile - Posadas (Recording)	14.56 - 15.06 Sequential Approach to Managing the Bony Vault Vitaly Zholtikov - St. Petersburg (Recording)	Surgical Technique for Symmastia Tik Tan - Rotterdam		
15.15 - 15.30	Discussion	15.06 - 15.18 Composite Dorsal Augmentation Vitaly Zholtikov - St. Petersburg (Recording)	Discussion		
		15.18 - 15.30 Discussion			
19.00 - 22.00	Business Meeting of InaPRAS Ballroom				



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Nomor : 1903/UN25.1.10/PP.01.07/2025

Pimpinan Fakultas Kedokteran Universitas Jember menugaskan kepada :

Nama : Dr. dr. Ulfa Elfiah, M.Kes., Sp.BP-RE., Subsp.L.B.L.(K)
NIP : 197607192001122001
Pangkat/Gol. Ruang : Pembina Tk.I / IV/b
Jabatan : Dekan / Lektor Kepala
Unit Kerja : Fakultas Kedokteran Universitas Jember

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Demikian surat tugas ini diberikan untuk dapat dilaksanakan dengan sebaik-baiknya dan penuh rasa tanggung jawab.

Jember, 28 Juli 2025
a.n Dekan
Wakil Dekan Bidang Keuangan dan Umum,



dr. Heni Fatmawati, M.Kes., Sp.Rad., N.K.L.(K)
NIP 197602122005012001



Applying the TIME-Based Wound Healing Approach for Cases Needing Skin Graft

ULFA ELFIAH

2025

Introduction

Chronic wounds pose a major clinical challenge:

- prolonged or excessive inflammation**
- persistent infections**
- formation drug-resistant microbial biofilms**
- inability of dermal and or epidermal cells to respond to reparative stimuli**

INTRODUCTION

Skin grafting is often used to close the defect with a non-healing problem.

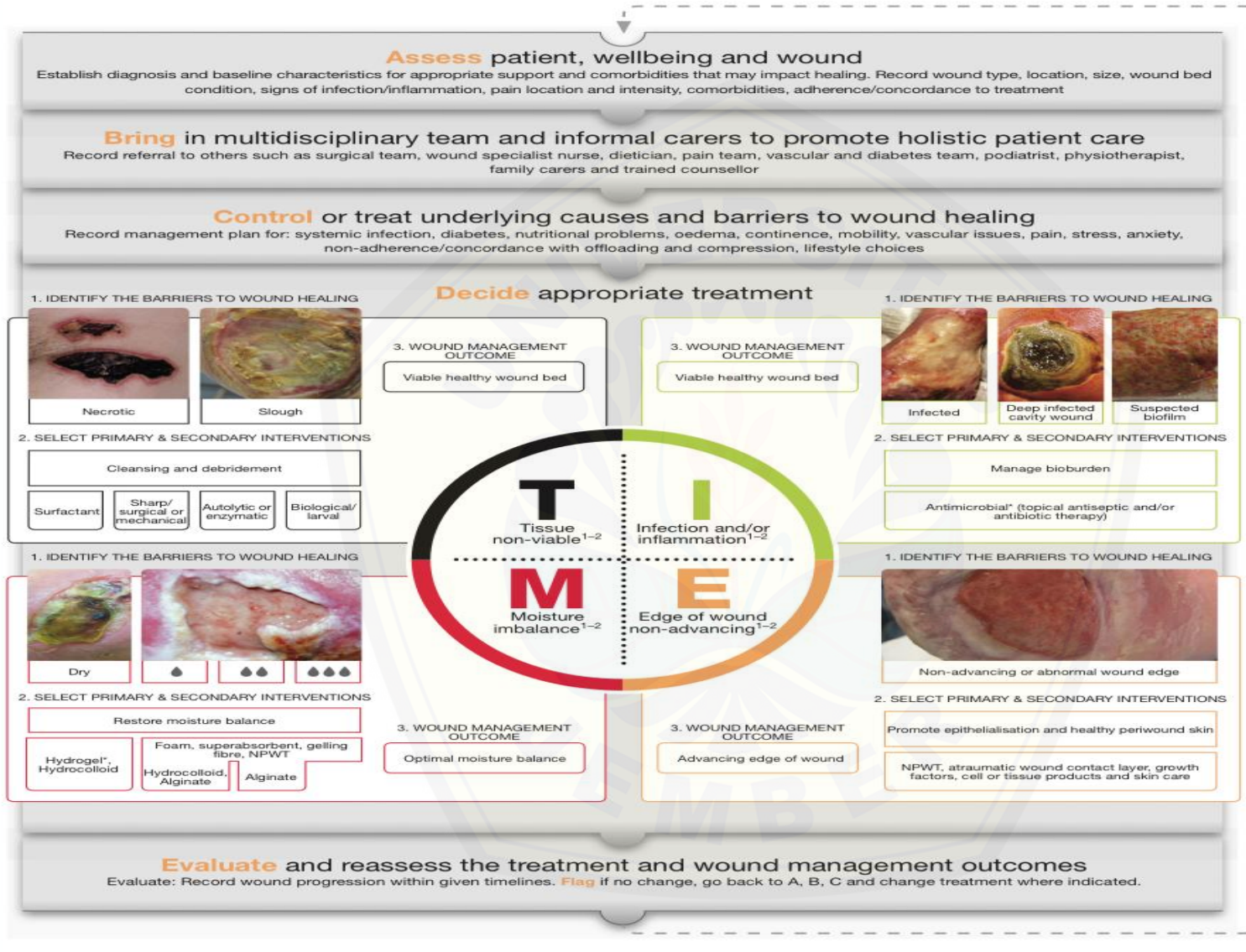


Effective wound bed preparation is crucial for graft success.



The TIME CDST framework provides a structured approach

TIME Clinical Decision Support Tool



¹Schultz GS, Sibbald RG, Falanga V et al. Wound bed preparation: a systematic approach to wound management. Wound Repair Regen 2003; 11(Suppl 1):S1–28

²Leaper DJ, Schultz G, Carville K et al. Extending the TIME concept: what have we learned in the past 10 years? Int Wound J 2012; 9(Suppl 2):1–19. <https://doi.org/10.1111/j.1742-481X.2012.01097.x>.

³Smith G, Greenwood M, Searle R. Ward nurses' use of wound dressings before and after a bespoke education programme. J Wound Care 2010; 19(9):396–402. <https://doi.org/10.12968/jowc.2010.19.9.78229>

Developed with the support of Glenn Smith.³ *Use appropriate secondary dressing as per your local protocol. NPWT—negative pressure wound therapy

When to Use Skin Graft?

INDICATION FOR SKIN GRAFT

- ▶ Skin grafting is indicated for large wounds that fail to close by secondary intention
- ▶ after optimal wound bed preparation using the TIME approach.

The background of the slide features a large, faint watermark of the University of Jember logo. The logo is a shield-shaped emblem with a central floral or leaf-like design. The word "UNIVERSITAS" is arched across the top, and "JEMBER" is arched across the bottom. The entire slide has a dark purple gradient background with a curved bottom edge.

CASE REPORT

Assess: Female, 23 yo, cellulitis, vascular disorder with dilatation V.saphena magna on right knee

Bring MDT: cardiothoracic surgeon did stripping & ligation the vein, wound specialist nurse for wound care

Control : wound culture for control local inflammation & infection → provedentia stuartii, AB sensitive: azetronam

Decide appropriate treatment

Tissue manajement

- skin necrotic → clean using antiseptic and autolytic debridemant

Moist

- maintenance with wound tulle

Inflamation & infection

- clean using antiseptic and apply silversulfadiazin 1% cream

Edge of wound

- proceed to close the defect with a skin graft



Evaluation: graft take 100%

Assess: Female, 50 yo, chronic wound rec Degloving, Comorbid : Diabetic uncontrol

Bring MDT: Internist control and evaluate blood sugar with insulin, wound specialist nurse for wound care, dietician

Control : wound culture for control local inflammation & infection, AB Broad spectrum

Decide appropriate treatment

Tissue manajement

- Slough, massive exudate, odor
→ clean using anseptic and surgical debridemant

Moist

- maintenance with wound tulle ,
apply silversulfadiazin 1% cream
and apply NPWT

Inflamation & infection

- clean using antiseptic and
apply NPWT

Edge of wound

- proceed to close the
defect with a skin graft

Evaluation: graft take 100%



Assess: Male, 60 yo, chronic wound, ec post excision soft tissue tumor R. Scalp and scalp reconstruction failed, No Comorbid

Bring MDT: Neurosurgeon did bore hole, wound specialist nurse for wound care

Control : wound culture for control local inflammation & infection, AB Broad spectrum



Decide appropriate treatment

Tissue management

- Slough, necrotic, granulation → clean using antiseptic and surgical debridement



Inflammation & infection

- clean using antiseptic and apply silversulfadiazin 1% cream



Moist

- maintenance with wound tulle, apply silversulfadiazin 1% cream



Edge of wound

- proceed to close the defect with a skin graft



Evaluation: graft take 100%

Assess: Female, 40 yo, chronic wound ec post sectio caesarea, Sepsis, Hypoalbuminemia

Bring MDT: wound specialist nurse for wound care, gynecologist and internist treat and control sepsis , dietician control nutrient and hypoalbuminemia

Control : wound culture to control local inflammation & infection, Blood culture to control Sepsis

Decide appropriate treatment



Tissue manajement

- Slough, necrotic, granulation, massive excudate → clean using antiseptic , and apply NPWT



Inflamation & infection

- clean using antiseptic and apply NPWT



Moist

- maintenance with wound tulle



Edge of wound

- proceed to close the defect with a skin graft



Evaluation: graft take 100%

CONCLUSION:

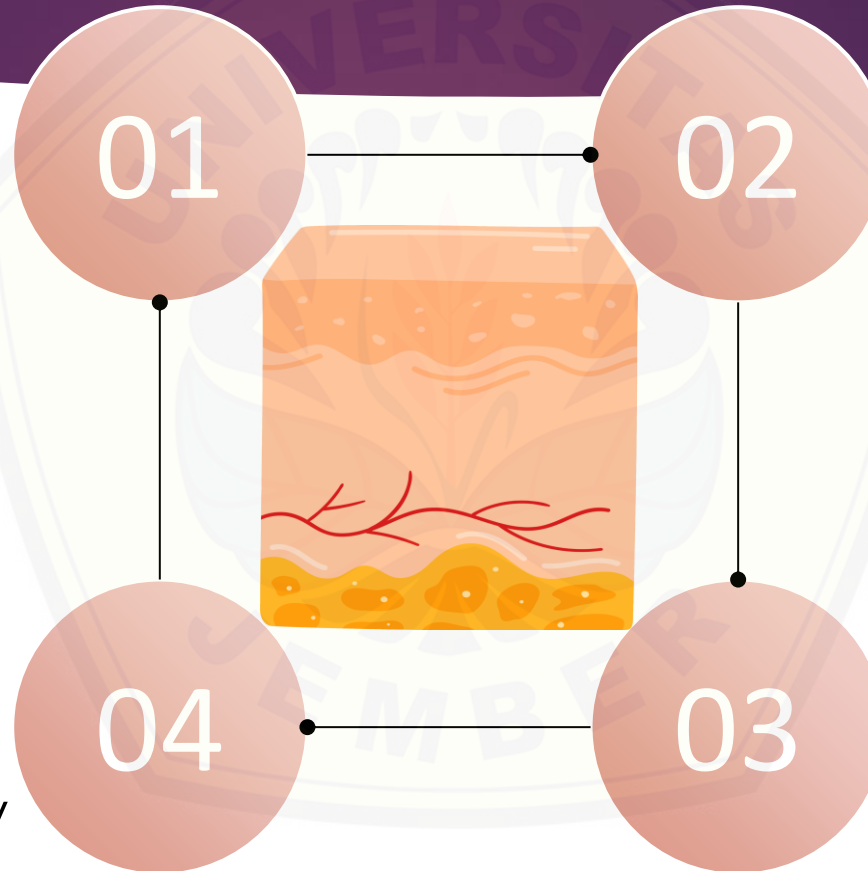
Benefits of TIME-Based Preparation

Enhances Graft Survival And Integration

- Wound bed becomes more receptive for skin graft adherence.

Promotes Faster Healing And Improved Outcomes

- Well-prepared wounds show accelerated epithelialization.



Reduces Infection Rates

- Eliminating necrotic tissue and controlling biofilm minimizes microbial load.

Decreases The Risk Of Graft Failure and Need for Re-grafting

- By optimizing wound conditions, the likelihood of complications is reduced.

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THANK YOU



Pengembangan Keprofesian Berkelanjutan

Nomor: KT.03.02/F/2124771/SER/2025

Diberikan kepada

ULFA ELFIAH DR.

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a.n Menteri Kesehatan
Direktur Jenderal SDM Kesehatan

dr. YULI FARIANTI, M.Epid

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