



## 5th MALAYSIA-INTERNATIONAL ASAMI-LLRS SCIENTIFIC MEETING 2023

Venue : Lexis Hibiscus, Port Dickson  
Date: 11<sup>th</sup> to 13<sup>th</sup> September 2023



Dear Prof Nazri Bin Mohd Yusoff,

### **SPEAKER INVITATION FOR THE MALAYSIAN-INTERNATIONAL ASAMI-LLRS SCIENTIFIC MEETING 2023**

Warm greetings from the Malaysian-International ASAMI-LLRS Scientific Meeting 2023

We are excited to share that the Malaysian-International ASAMI-LLRS Scientific Meeting 2023 will be taking place in Lexis Hibiscus, Port Dickson, Malaysia.

It is our utmost pleasure to invite you as a speaker for our conference.

- **Conference:** Malaysian-International ASAMI-LLRS Scientific Meeting 2023
- **Date:** 11th to 13th September 2023
- **Venue:** Lexis Hibiscus, Port Dickson, Malaysia

As our invited speaker, we are pleased to provide you with the following arrangements:

- Complimentary registration to the Malaysian-International ASAMI-LLRS Scientific Meeting 2023
- Complimentary accommodation at Lexis Hibiscus, Port Dickson
- Check-In: 10th September 2023; Check-Out: 13<sup>th</sup> September 2023

The date(s) for the session(s) which we hope you will be available to join us is(are): -

Date & Time	Session	Topic & Remark	Role
12 <sup>th</sup> September 2023 2.00-2.15pm	Musculoskeletal infection Session	Implant Related Infection : To Retain or Remove	Speaker

Upon acceptance of our invitation, we would like to request the following documents from your

- Professional portrait photograph (**High resolution**)
- A short 25 – 30 words description of yourself. (**This will be used as your speaker introduction on the website and during your session**)
- Signed Consent Release Form. Please refer to the accompanying attachment.
- Please note that items 1 & 2 above will be uploaded into our conference website.

**We hope that you will accept our invitation as a speaker and reply to this letter by 4th August 2023 (Friday)**



## 5th MALAYSIA-INTERNATIONAL ASAMI-LLRS SCIENTIFIC MEETING 2023

Venue : Lexis Hibiscus, Port Dickson  
Date: 11<sup>th</sup> to 13<sup>th</sup> September 2023



If you have questions, do contact (available on WhatsApp).

*Dr Meghan (+60125246023), Dr Mugil (+601121615136) or email us at [asamihjtjs2023@gmail.com](mailto:asamihjtjs2023@gmail.com)*

Sent on behalf of,

Dr Norhaslinda Binti Bahaudin

Organising Chair of the Malaysian-International ASAMI-LLRS Scientific Meeting 2023

Sent by,

Dr Mugilessvaran Vijayaraj

Organizing Committee

Organising Chair of the Malaysian-International ASAMI-LLRS Scientific Meeting 2023



# TENTATIVE PROGRAM

DAY 1- 11 SEPTEMBER 2023 (MONDAY)

TIME	TITLE	SPEAKER
0730-0800	REGISTRATION	
0800- 1000	<u>PRE CONGRESS WORKSHOP 1</u> Data Collection Knee Subluxation Software Programming	Dr Zamri Bin Ab Rahman
1000-1030	TEA BREAK	
1030- 1200	<u>PRE CONGRESS WORSHOP 2</u> Rom Software Programming Q&A	Dr Zamri Bin Ab Rahman
1230-1250	<u>LUNCH SYMPHOSIUM :</u> Calcium Sulphate As Local Antibiotic Carrier In Treatment Of Osteomyelitis- An Early Report For Malaysia Experience	Dr Ahmad Arieff Atan
1250-1345	<u>LUNCH &amp; PRAYER BREAK</u> Roselle Coffee House (level G)	
FOOT AND ANKLE SESSION Moderator : Dr. Mohamad Hafiz bin Mohmad Hassim		
1345-1400	The management of equines deformity using circular external fixation and related	Prof Dr Chayanin Anghong
1400-1415	Hindfoot Fusion on Frame	Dr Syed Azmi Ahmad Shah
1415-1430	Complex foot and ankle deformity	Prof Dr. Chua Yeok Pin
1430 - 1445	Distraction Arthroplasty : Experience Sharing	Dr Mohd Saiful Adzuwan bin Mat Rodi
1445- 1515	QUESTION AND ANSWER	
PAEDIATRIC SESSION Moderator : Dr. Low Weng Kong		
1530-1545	Gradual Distraction, of the trunk / spine	Prof Dr Saw Aik
1545-1600	Gradual correction in Adolescent Blount's with hexapod	Dr Luvan Markandan
1600- 1615	Femur Lengthening in Paediatrics Condition	AP Dr. Muhammad Kamal Muhammad Abdul Jamil
1615-1630	Acute correction in paediatric lower limb deformity	Dr Norazian binti Kamişan
1630-1645	QUESTION AND ANSWER	
1645-1700	TEA BREAK	

DAY 2: 12 SEPTEMBER 2023 (TUESDAY)		
0800-0830	Honourable guest and participant arrival	
0830-0845	MC welcoming speech	
0845-0850	Recitation of prayer	
0850-0900	Opening Speech by Miss Linda (Chair person )	
0900-0910	Speech by Mr Basir ( Head of Subspecialty AMT -Minister Of Health )	
0910-0920	Officiation of 5 <sup>th</sup> ASAMI -LLRS Scientific Meeting 2023	
0920-0930	Launch Logo ASAMI-LLRS 2023	
0930-0950	Photo Session	
1000-1030	TEA BREAK	
<b>MUSKULOSKELETAL FRACTURE SESSION</b> Moderator : Dr Kamarul Al Haqq Abdul Ghani		
1030 – 1045	Reconstruction of Large bone Defects by Motorised Nails	Dr Peter Thaller
1045-1100	Current concepts on acute fracture fixation with an ilizarov frame	AP Dr. Ahmad Fadzli Sulong
1100-1115	Delayed Management for Orthopaedic Trauma	Dr Daniel V. Dungca
1115-1130	The management of challenging conditions on the foot and ankle trauma	Prof Dr Chayanin Anghong
1130-1145	Role of Ilizarov in Upper Extremity Trauma	Prof. Dr Mofakhkharul Bari
1145-1215	Impossible to Reality. My Journey with ilizarov from start till now	Prof. Dr Mofakhkharul Bari
1230-1250	<u>LUNCH SYMPHOSIUM:</u> Tips and Tricks in Deformity Correction Using OrthoSUV Hexapod Apparatus	Dr Zamri bin Ab Rahman
1250-1345	<u>Lunch</u> At Roselle Coffee House (level G)	
<b>MUSCULOSKELETAL INFECTION SESSION</b> Moderator : Dr Muhammad Azrin Mohd Asihin		
1345-1400	Periarticular Infections and Strategies	Dr Andy Yeo Kuei Siong
1400-1415	Implant Related Infection : To Retain or Remove	Prof. Dr Nazri bin Mohd Yusof
1415-1430	Tibialization of fibula Reconstruction of big tibial defects by ilizarov Technique	Prof. Dr Mofakhkharul Bari
1430-1445	Antibiotic in Open Fracture and Fracture Related Infections	Dr Suvintheran Thangavelu
1445-1515	QUESTION AND ANSWER	
<b>LIMB DEFORMITY AND RECONSTRUCTION SESSION</b> Moderator : Dr Khairul Rizal Zayzan		
1530-1545	Limb Lengthening and Deformity Correction with Motorised Lengthening Nails	Dr Peter Thaller
1545-1600	Acute versus Gradual Correction – The Good and The bad	Dr Andy Yeo Kuei Siong

1600-1615	Modified Cable Bone Transport after Tumour Excision	Dr Daniel V. Dungca
1615-1630	Hexapod - Deformity Correction made easy	Dr Rohaman bin Tasarib
1630-1645	QUESTION AND ANSWER	
1645-1700	TEA BREAK	

DAY3: 13 <sup>th</sup> September 2023 (WEDNESDAY)		
ORAL PAPER PRESENTATION		
Panel Speaker : Dr Daniel V Dungca, Dr Basir Towil		
Moderator : Dr Ahmad Arieff Atan		
TIME	TITLE	PRESENTER
10 ORAL PAPER PRESENTATION		
0800 – 0805	Severe genu valgum secondary to neglected distal lateral femoral epiphyseal diaphysis in obese child managed with medial sided Limb Reconstruction System	Dr. Hwang Puoh Xieh
0805-0810	Question & Answer	
0815-0820	Two -stage correction of severe foot equinovarus in post -infection contracture using hexapod frame	Dr Nur Aidurra Zainudin
0820-0825	Question and Answer	
0830-0835	Ankle Deformity Correction in Charcot Arthropathy: A Case Series of Tibiotalocalcaneal Arthrodesis with Hindfoot Arthrodesis Nail	Dr Norliyana binti Mazli
0835-0840	Question and Answer	
0845 - 0850	Surgical Treatment Of Severe Equinus Deformity By Unconstrained Ilizarov Frame System	Dr Mohd Azwan bin Ab Aziz
0850-0855	Question and Answer	
0900-0905	Ruptured Anterior Tibial Artery Pseudoaneurysm Post Bone Transport With Ilizarov External Fixator	Dr Nor Hamizan Noor Hadi
0905-0910	Question and Answer	
0915-0920	Complex tibial plateau fracture treated with Ilizarov external fixation with minimal internal fixation.	Dr Tuan Muhammad Fairuz
0920-0925	Question and Answer	
0930 – 0935	Open Femur Fracture with Large Soft Tissue Defect Treated with Ortho-SUV	Dr Paul Kong Fu-Xiang
0935-0940	Question and Answer	
0945-0950	Hybrid monorail construct in proximal femur fixation	Dr Mohd Azfan bin Che Yusoff @ Mohd Affandi

0950-0955	Question and Answer	
1000-1005	Post traumatic ankle arthtitis : A new beginning instead of the end	Dr Mohd Yazid Bajuri
1005-1010	Question and Answer	
1015-1020	Union rate of humerus fracture treated with monorail limb reconstruction system and its functional outcome	Dr Mohd Syukranamri bin Ramli
1020-1025	Question and Answer	
1025-1040	TEA BREAK	
1040-1100	<u>LUNCH SYMPHOSIUM:</u> Advance knee Hinge Limb Reconstruction System : The future complex in knee surgery	Dr. Ong Kean Chao
1100-1200	DATO' DR. THIRUMAL MANICKAM BEST ORAL PRESENTATION AWARD  Closing Ceremony	
1200	<u>Lunch</u> At Roselle Coffee House (level G)	



# Implant-Related Infection: To Retain or Remove

**PROF DR NAZRI MOHD YUSOF**



# The most implant inserted and most infected

**Table 1. Clinical and Economic Consequences of Infections Associated with Surgical Implants.\***

Implant	Implants Inserted in the U.S. Annually <i>no.</i>	Projected Infections of Implants Annually	Average Rate of Infection† <i>%</i>	Preferred Practice of Surgical Replacement <i>no. of stages</i>	Estimated Average Cost of Combined Medical and Surgical Treatment <i>U.S. \$</i>
<b>Cardiovascular</b>					
Mechanical heart valve	85,000	3,400	4	1	50,000
Vascular graft‡	450,000	16,000	4	1 or 2	40,000
Pacemaker–defibrillator	300,000	12,000	4	2	35,000§
Ventricular assist device	700	280	40	1	50,000
<b>Orthopedic</b>					
Joint prosthesis	600,000	12,000	2	2	30,000
Fracture-fixation device¶	2,000,000	100,000	5	1 or 2	15,000
Neurosurgical — ventricular shunt	40,000	2,400	6	2	50,000
Plastic — mammary implant (pair)	130,000	2,600	2	2	20,000
Urologic — inflatable penile implant	15,000	450	3	2	35,000

**RM 70-140K**

# Outcome of Infection Following Internal Fixation of Closed Fractures

---

**M Y Nazri, M Med Ortho\*, Y A Halim, M Med Ortho\*\***

\*Department of Orthopaedics, Traumatology and Rehabilitation, Kulliyah of Medicine International Islamic University Malaysia, Kuantan, \*\*Department of Orthopaedics, Hospital University Sains Malaysia, Kubang Kerian, Kelantan

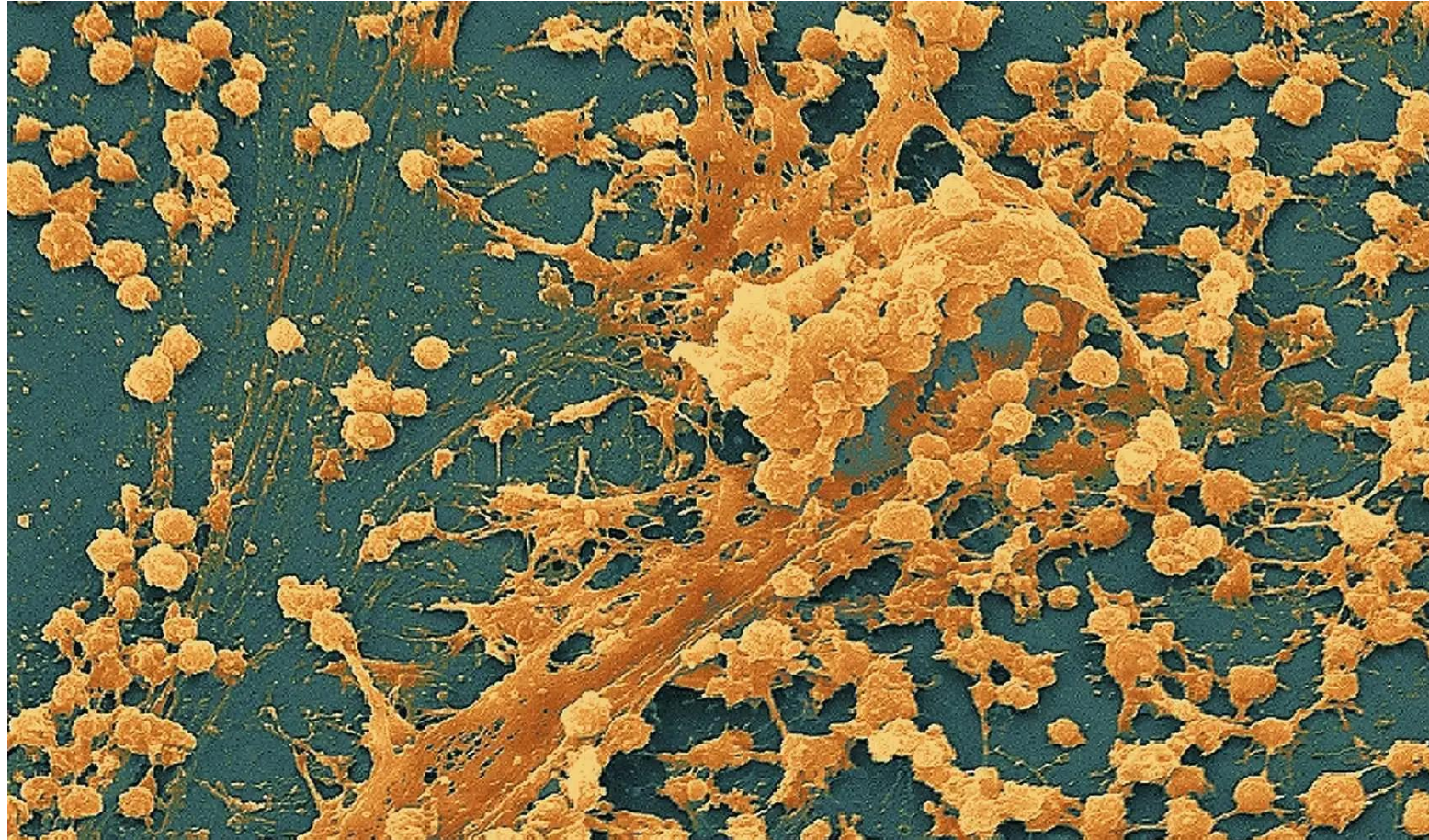
Retained infected stable implant  
Around 75% of fractures united  
Med J Malaysia 59(5):2004

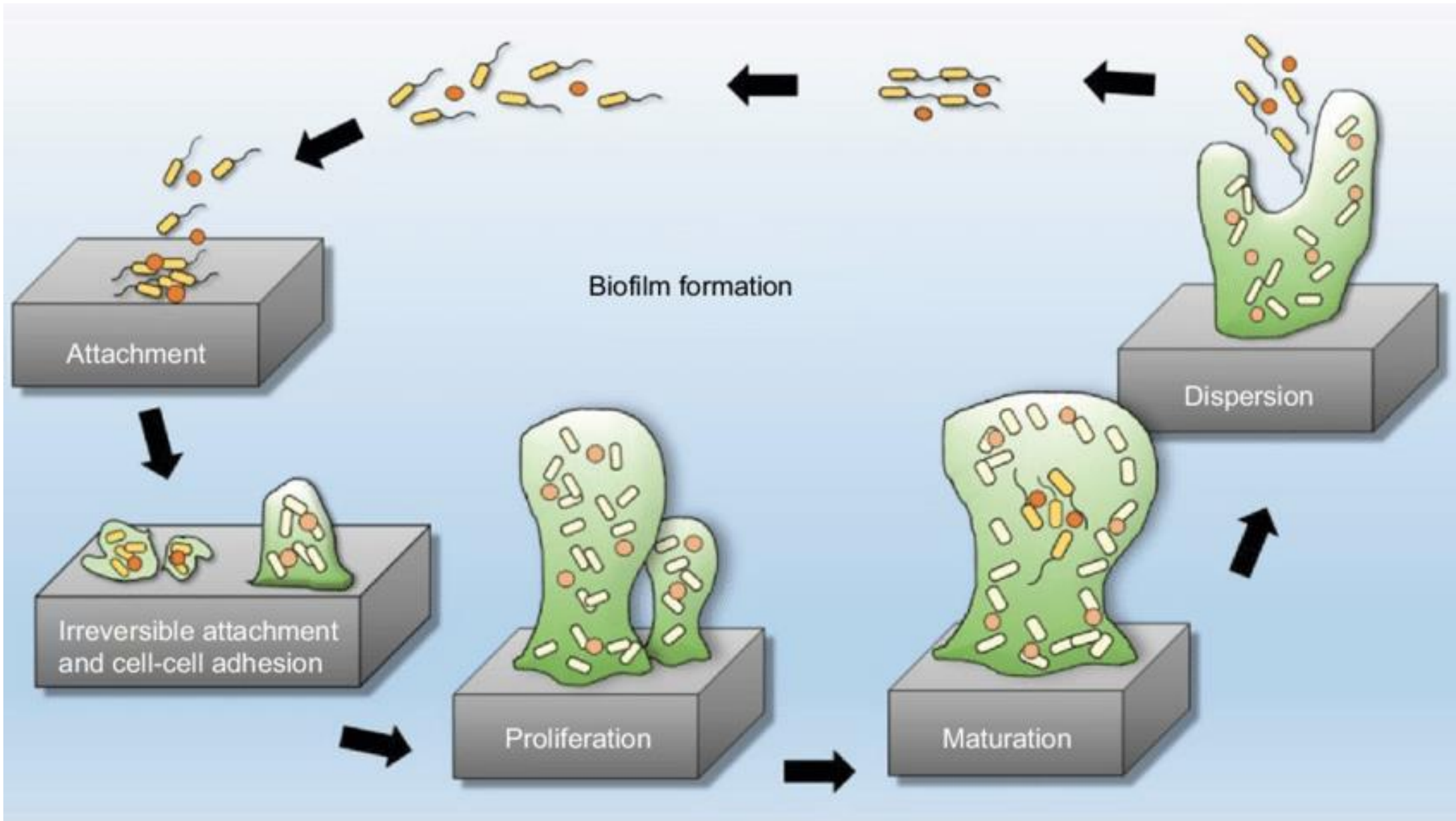


Remove

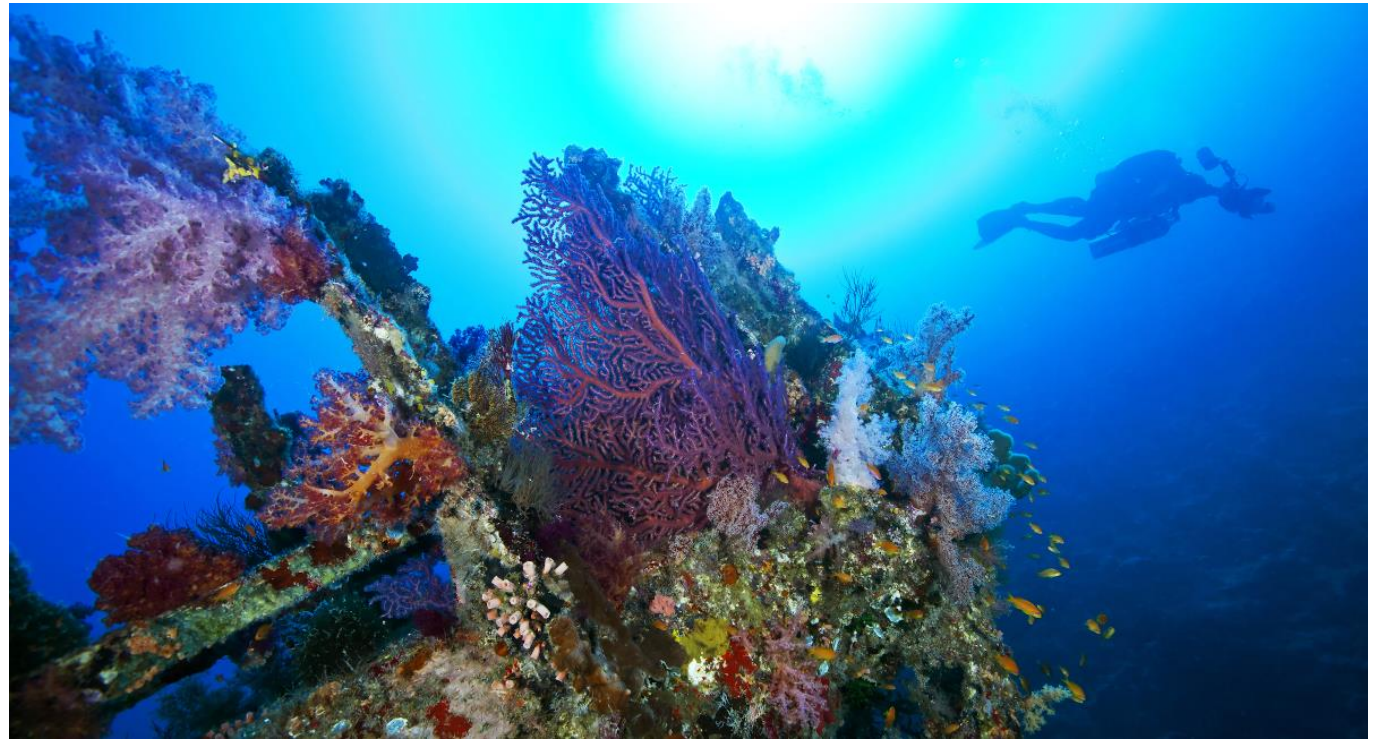
**WHY**

# Biofilm – Protective sustainable environment



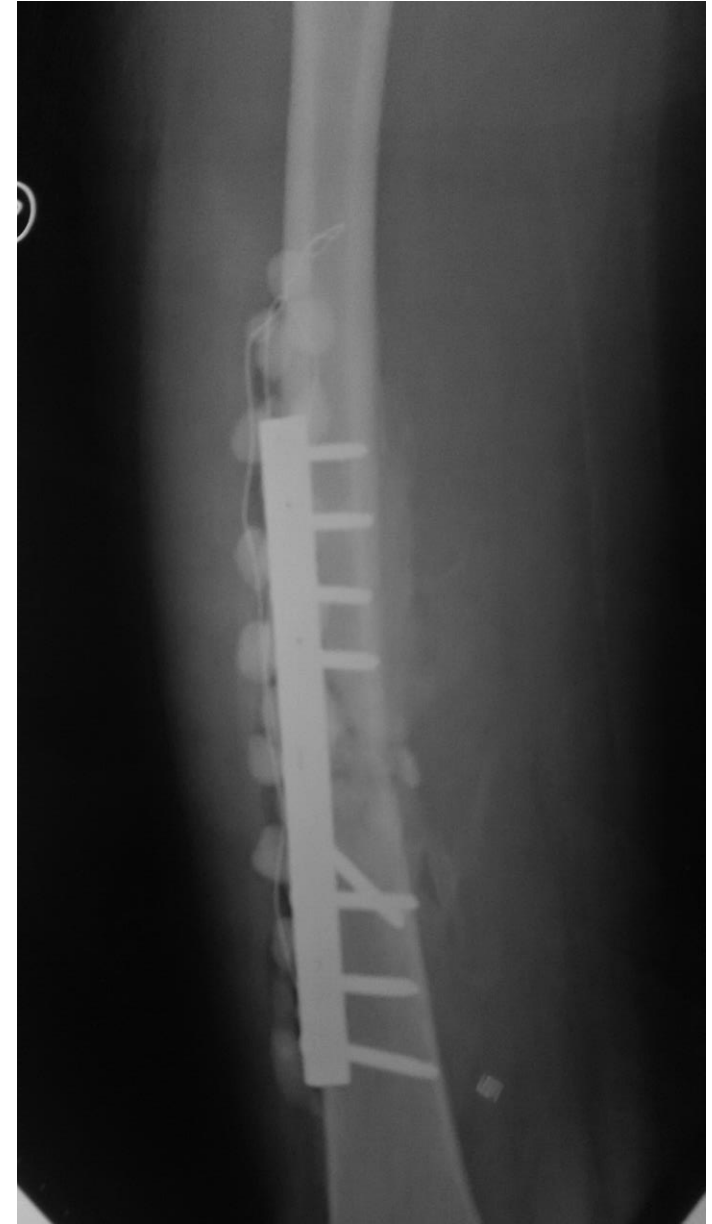


Bacteria loves implant like  
corals love shipwrecks

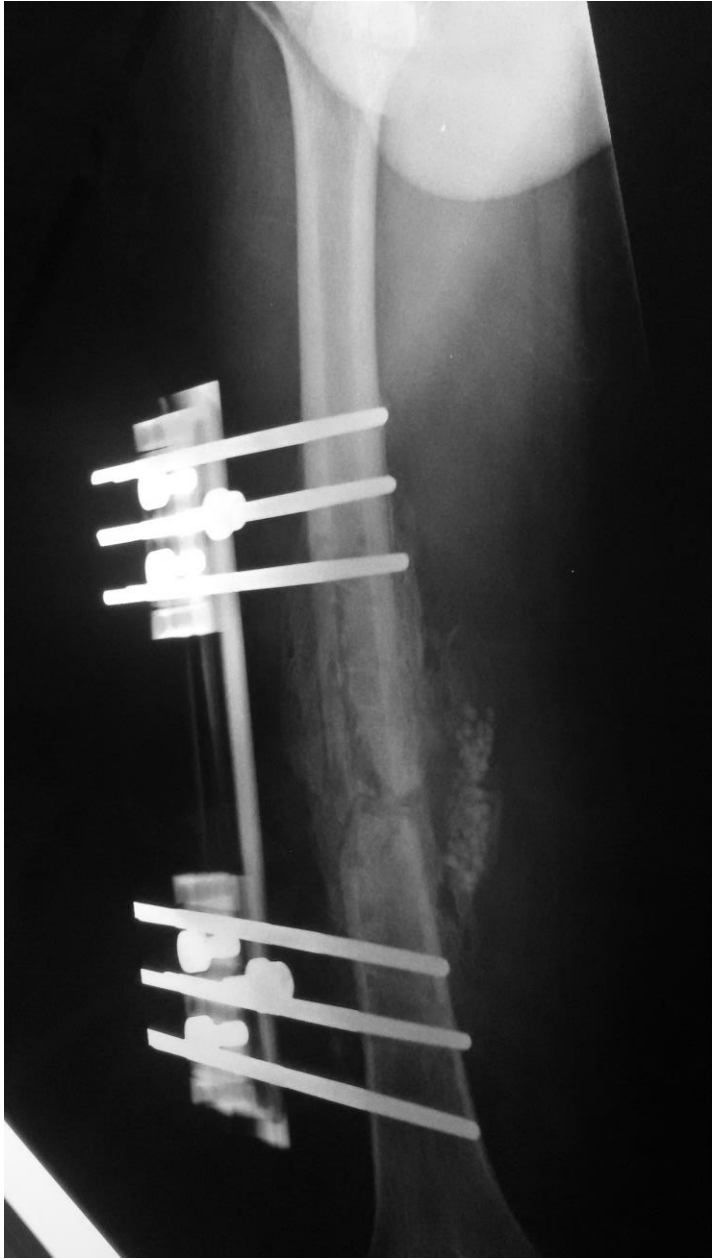


# First reason

Stable implant  
with persistent  
infection









## Prophylaxis and treatment of implant-related infections by local application of antibiotics

Michael Diefenbeck<sup>1</sup>, Thomas Mückley<sup>2</sup>, Gunther O Hofmann<sup>1,2</sup>

Number of patients	Infection control rate	Recurrences of osteomyelitis	Follow-up (in years)	Year/reference
128	91.4%	11.6%	2	1979 [31]
405	90.4	10%	0.5-6.5	1983 [40]
102	89.2%	10.8%	4-10	1995 [41]
100	92%	17%	5	1998 [42]

Table 2: Noncontrolled, nonrandomized clinical studies on the efficacy of debridement and gentamicin PMMA beads in treating osteomyelitis. In summary, the infection control rate is about 90% with a recurrence of osteomyelitis of around 10%.

## Second reason

Stable  
implant with  
poor general  
condition





ELSEVIER

**INJURY**  
INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED

[www.elsevier.com/locate/injury](http://www.elsevier.com/locate/injury)

## Prophylaxis and treatment of implant-related infections by local application of antibiotics

Michael Diefenbeck<sup>1</sup>, Thomas Mückley<sup>2</sup>, Gunther O Hofmann<sup>1,2</sup>

Number of patients	Infection control rate	Recurrences of osteomyelitis	Follow-up (years)	Year/reference
67	94%	-	-	1986 [44]
58	93.1%	-	< 1	1989 [45]
10	100%	0%	1	1991 [46]
47	93.6%	0%	2	1992 [47]

Table 3: Noncontrolled and nonrandomized clinical trials about the efficacy of debridement and gentamicin loaded collagen sheet in the treatment of osteomyelitis.

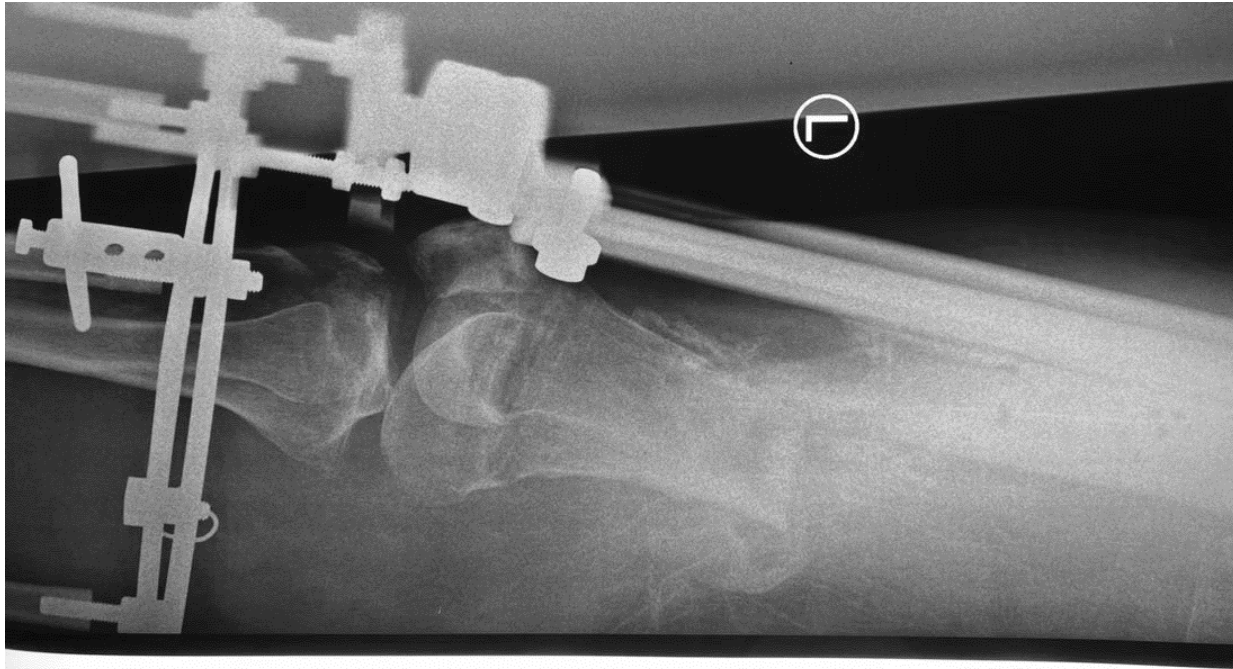




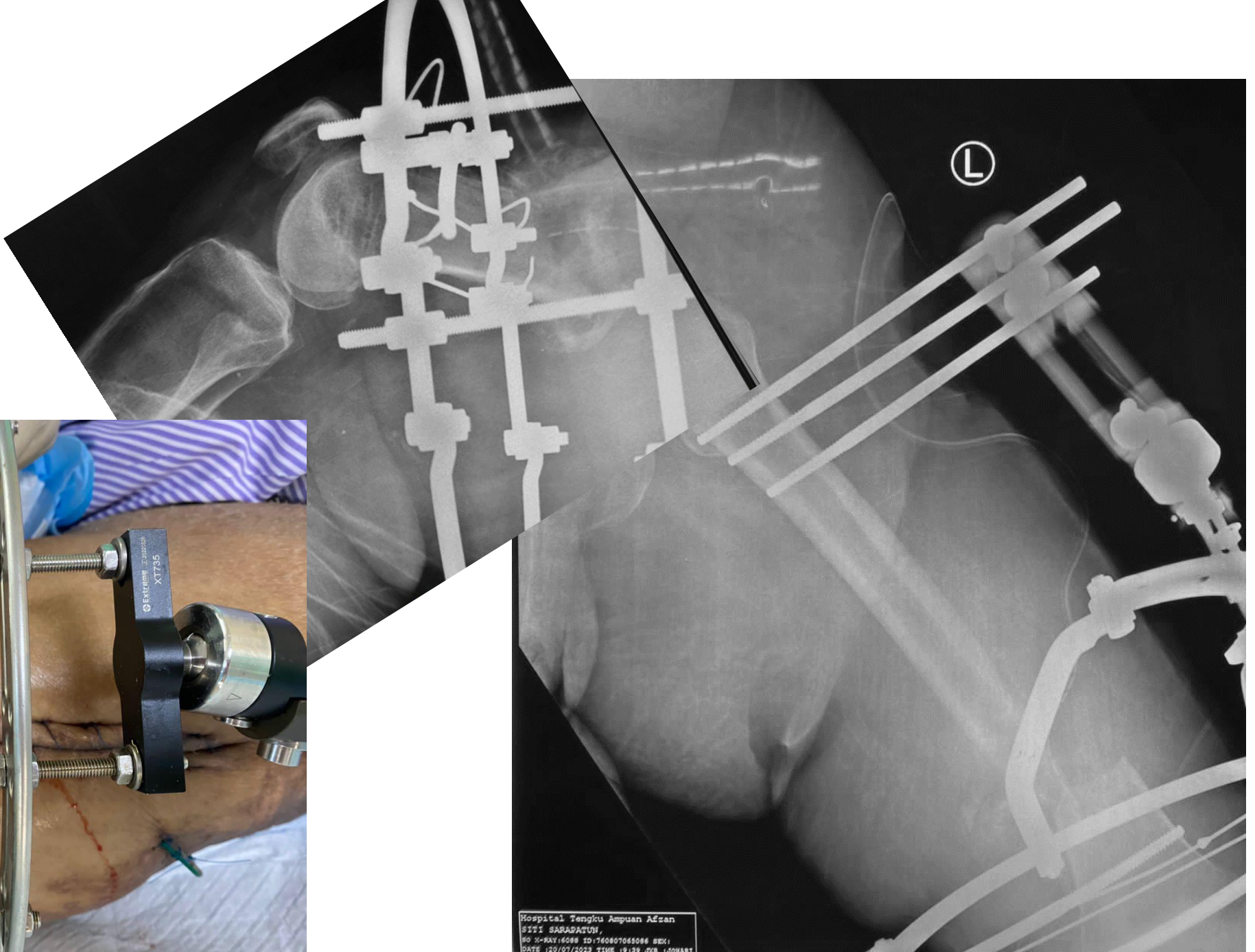
# Negative pressure wound therapy



# Spanning external fixator







# Third Reason

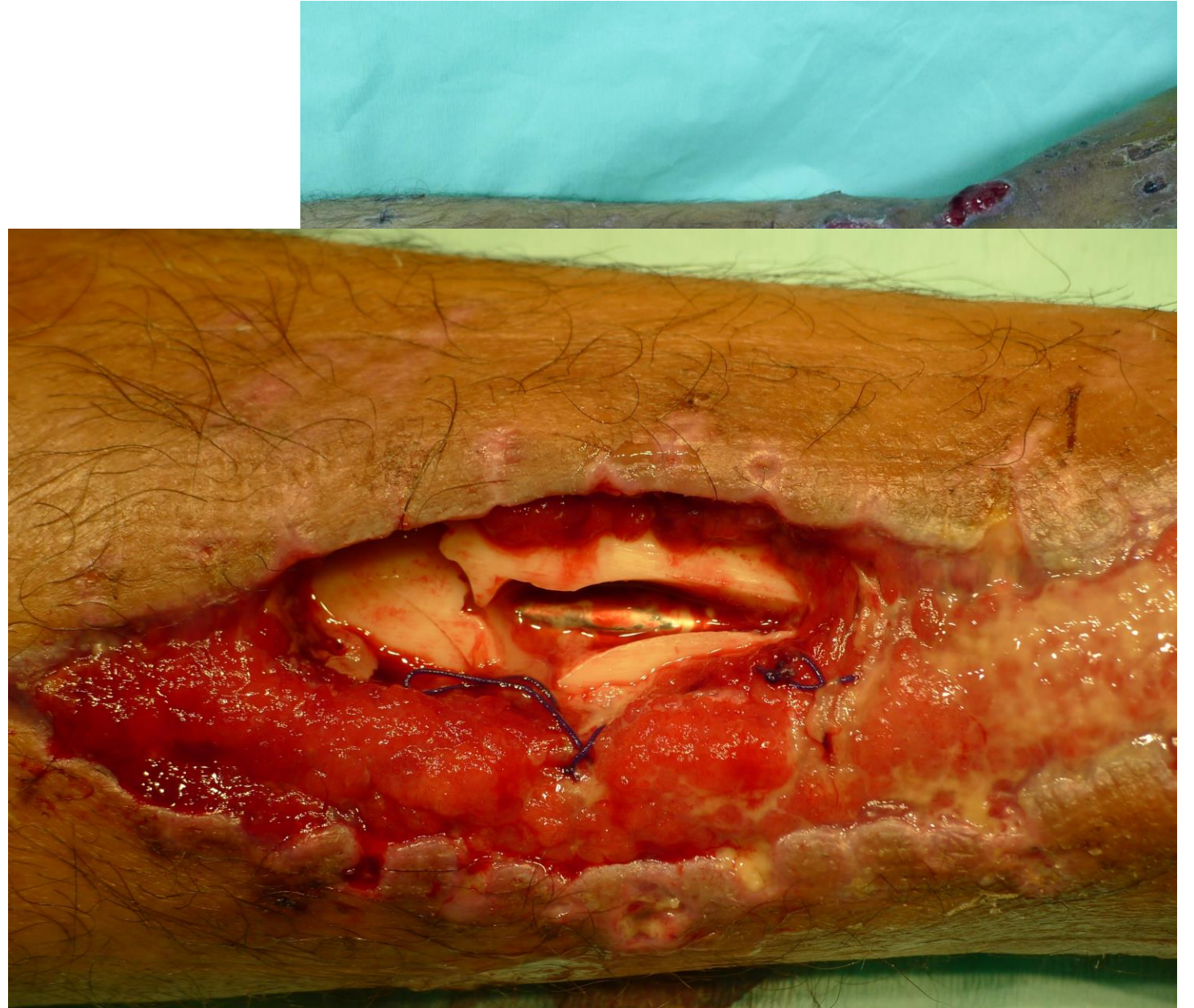
Acute infection with poor soft tissue condition

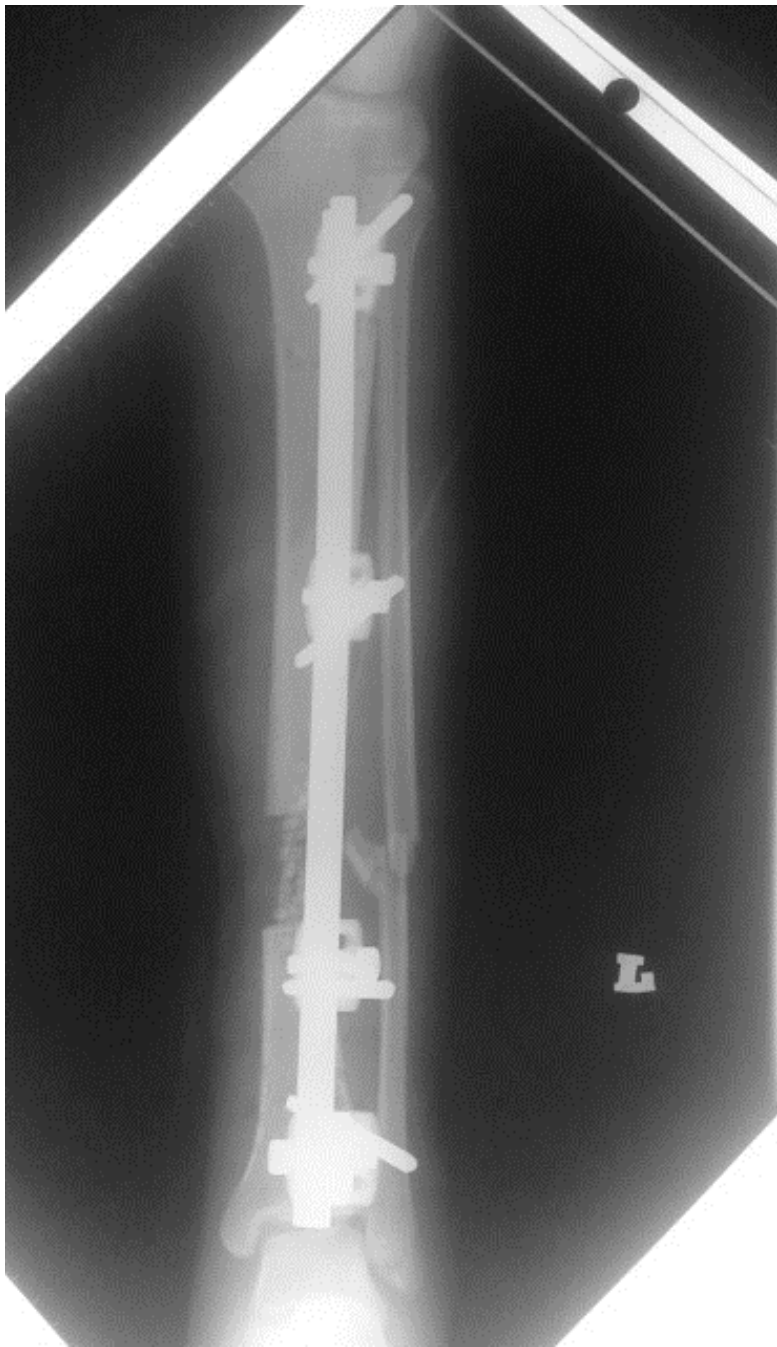




Removal of one implant,  
external fixator and  
gastrocnemius  
musculocutaneous flap



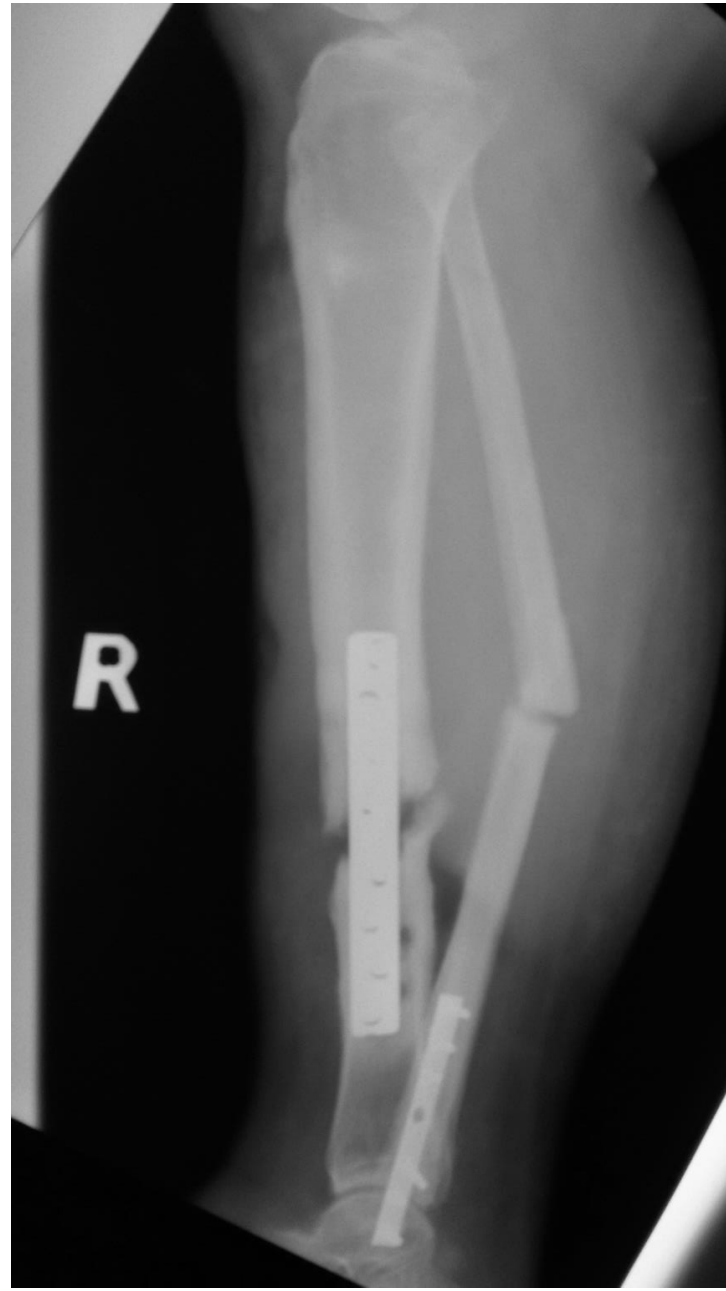




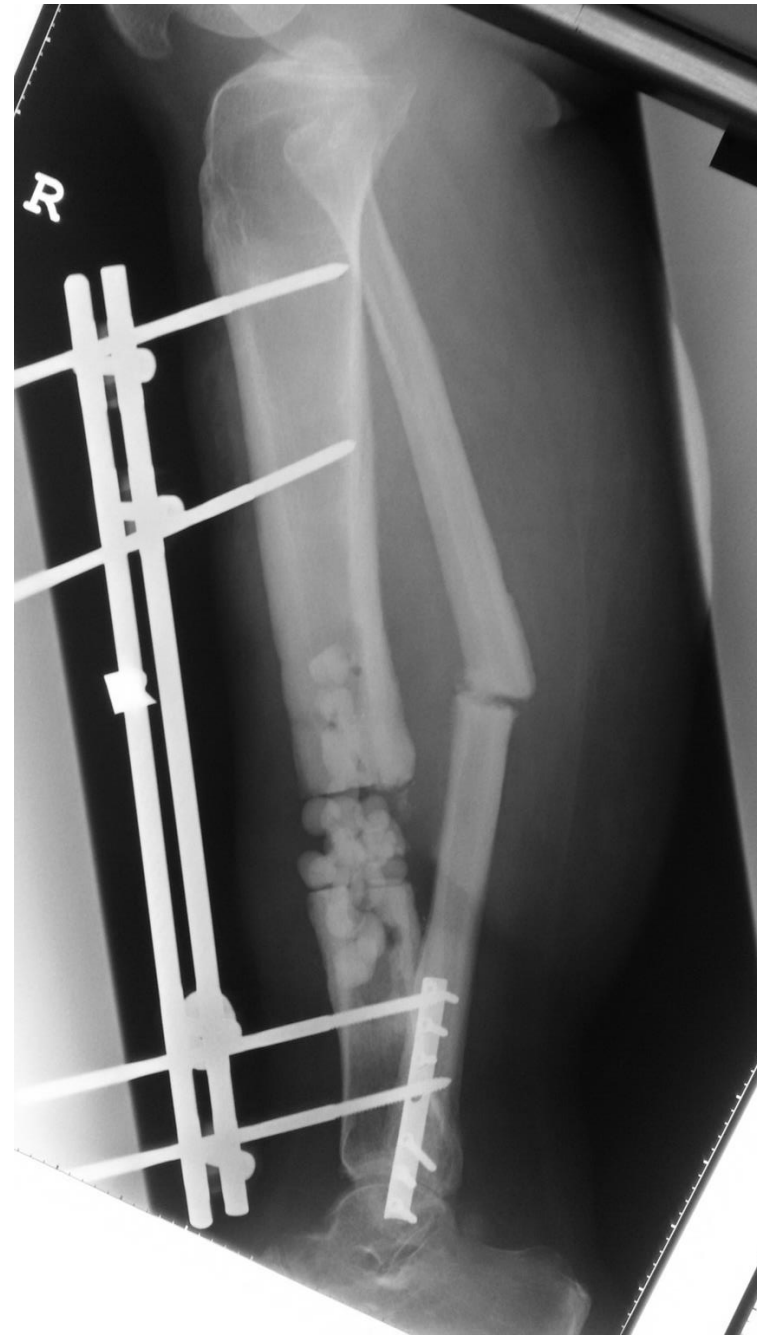


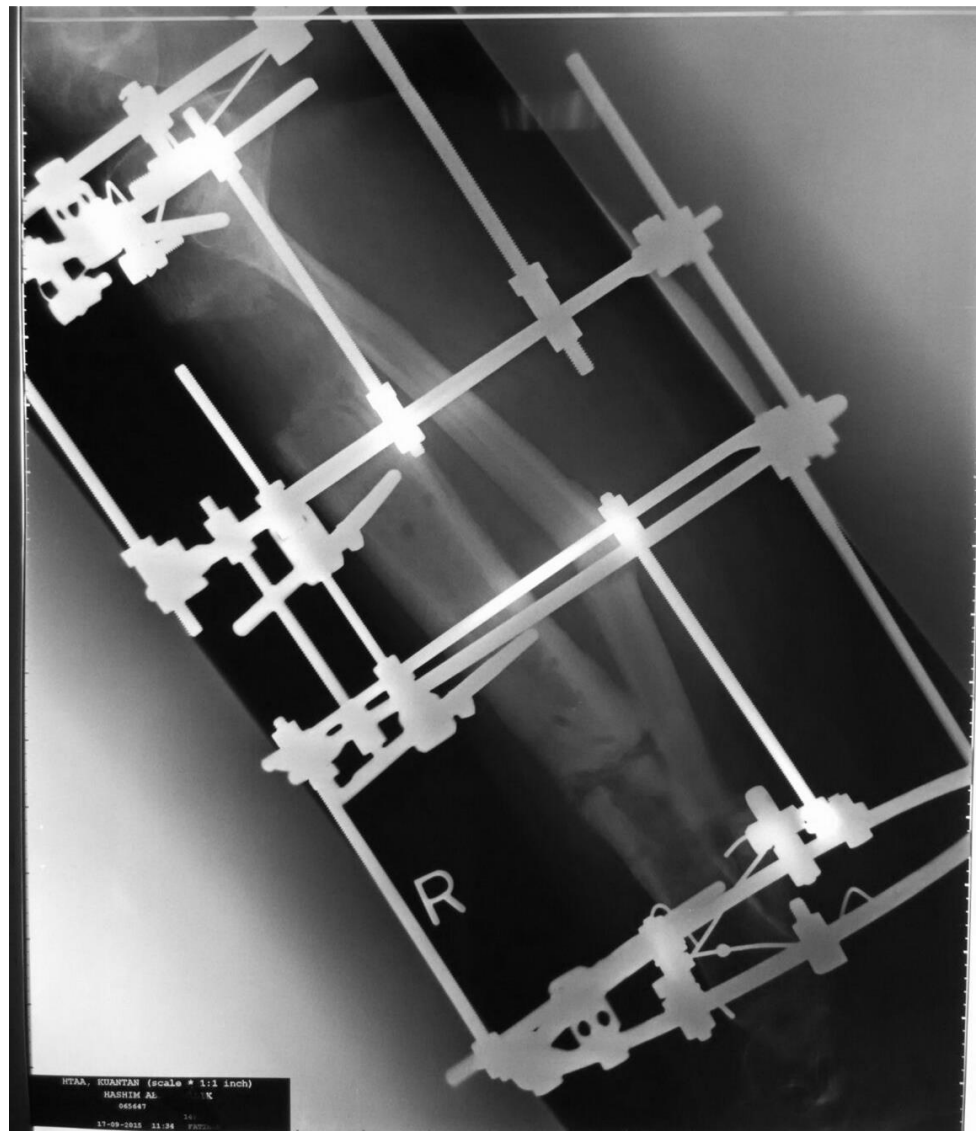
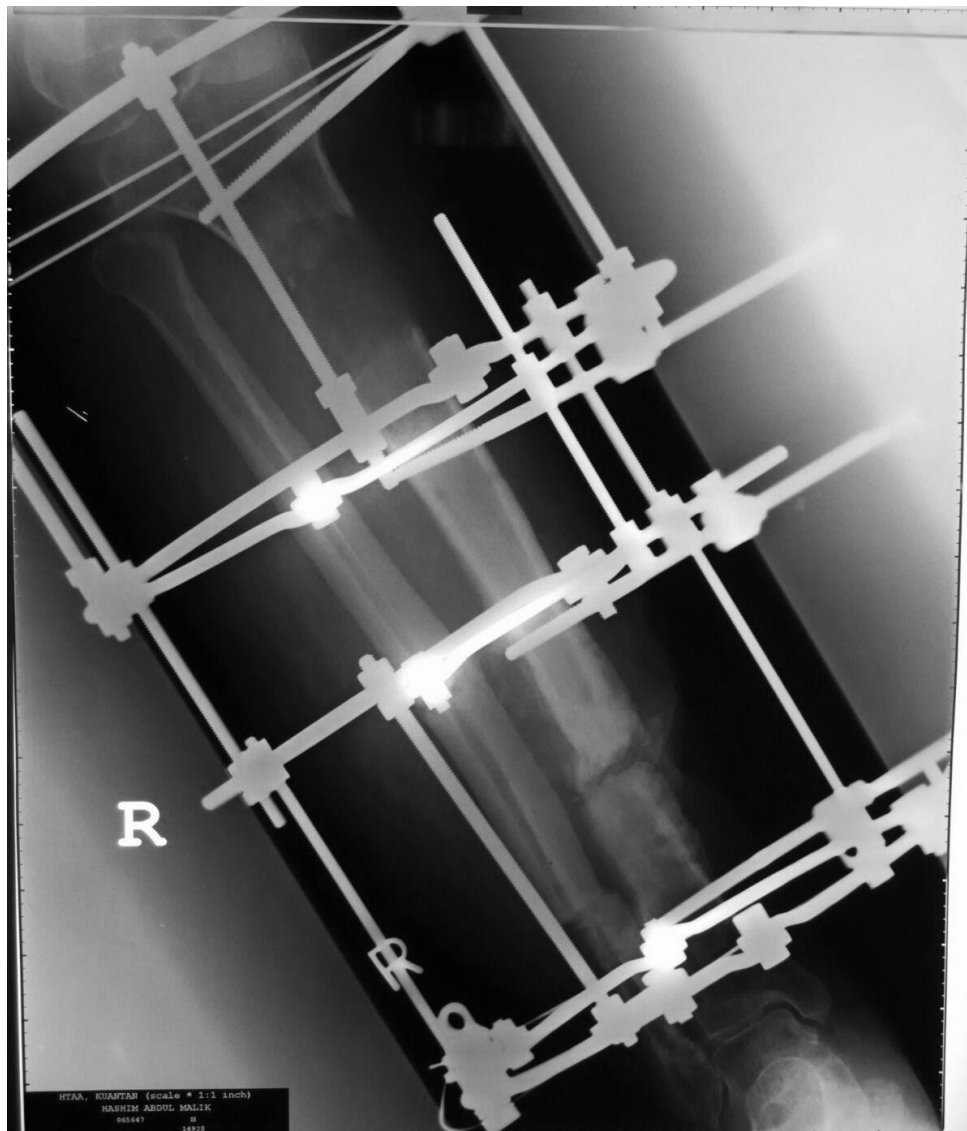
## Fourth reason

Chronic infection with  
unstable implant

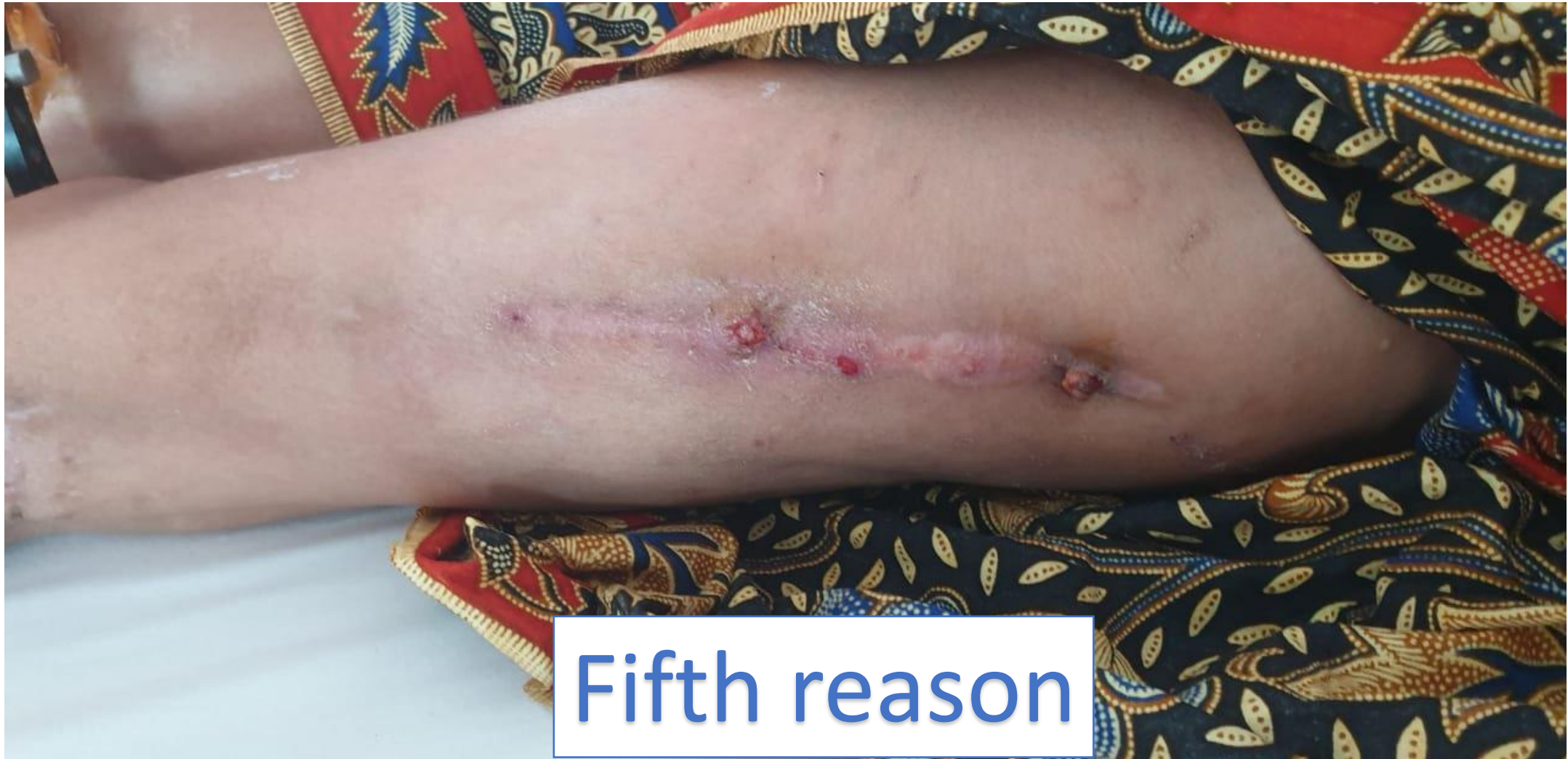






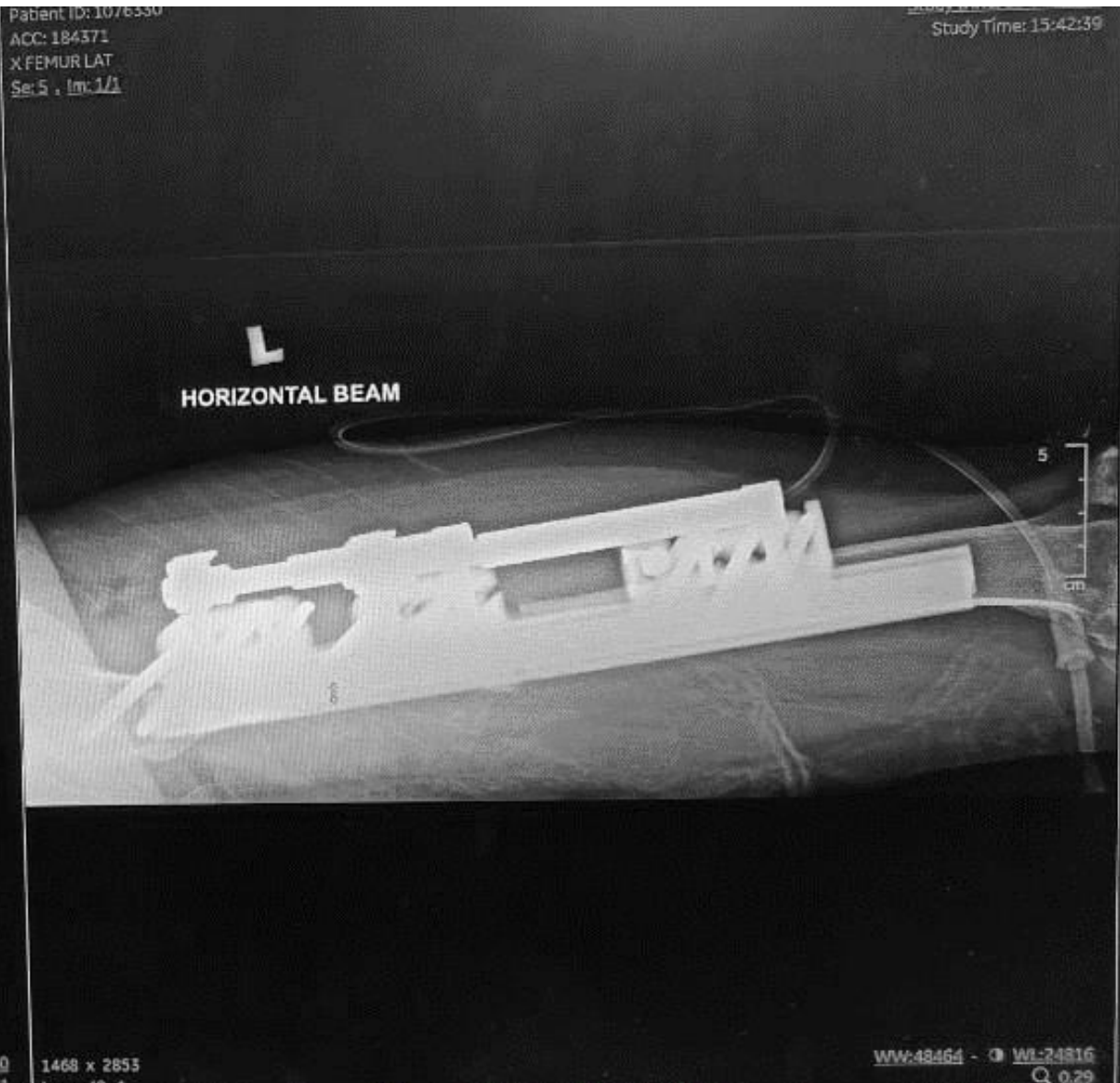


# Chronic sinus with a stable implant



Fifth reason





# Can we retain them?

- Onset
- Fracture healing
- Implant stability
- Soft tissue condition
- Host factors
- Virulent organism

# Onset

Onset	Time	Pathogenicity	Biofilm
Early	< 2 weeks	Virulent	Early formation
Delayed	2-10 weeks	Low virulent	Biofilm
Late	> 10 weeks		Mature biofilm with sequestrum

# Acute infection with good soft tissue condition



**First indication**



LEFT PL  
Study D  
Stu





Good fracture healing



Second indication

K, ADHAM , Age: 19y , Sex: M

H



R  
F

, Age: 19y , Sex: M

H



Ⓜ

F



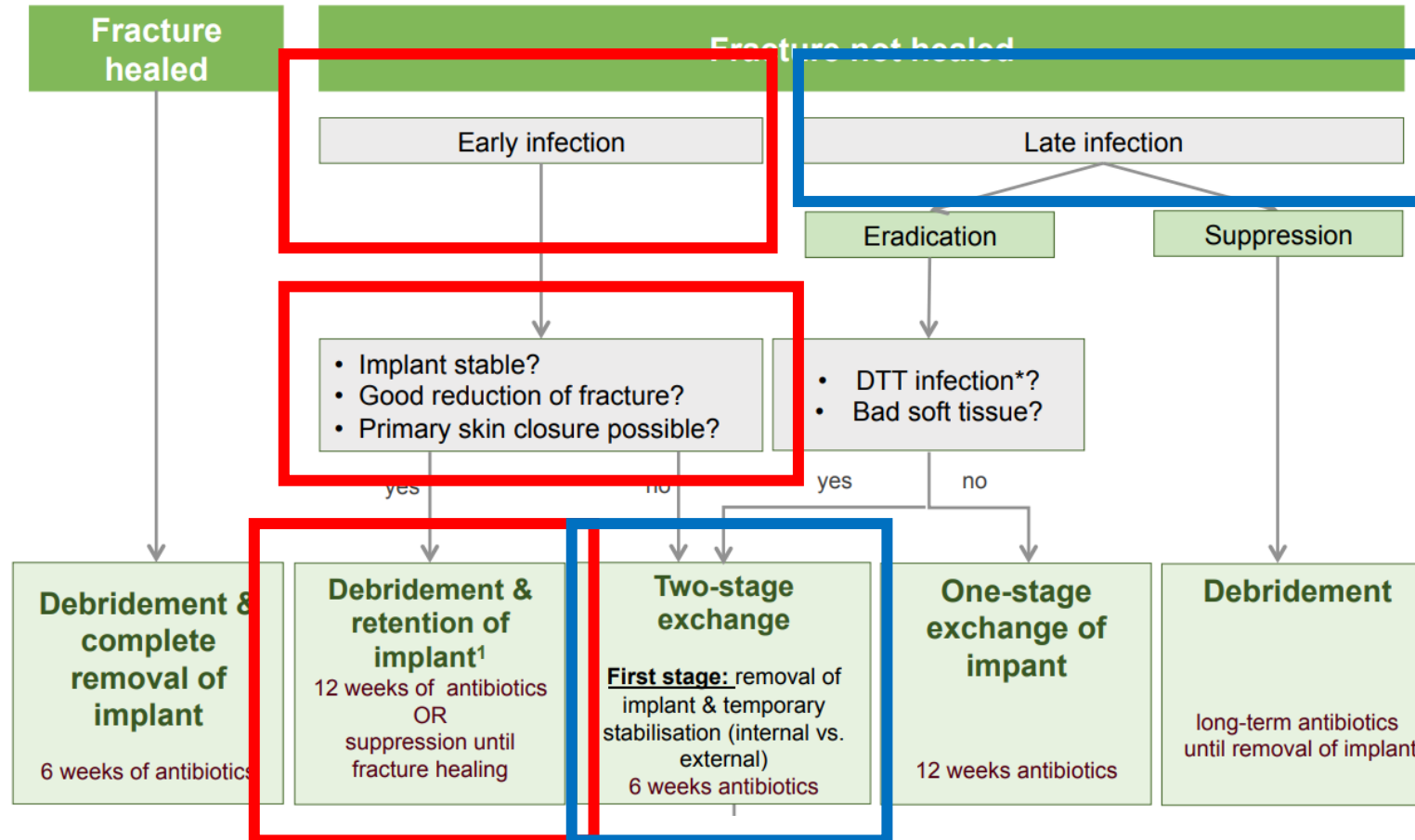


# Pocket Guide to Diagnosis and Treatment of implant-associated infections after fracture fixation



Version 2: 1. October 2017

## TREATMENT ALGORITHM

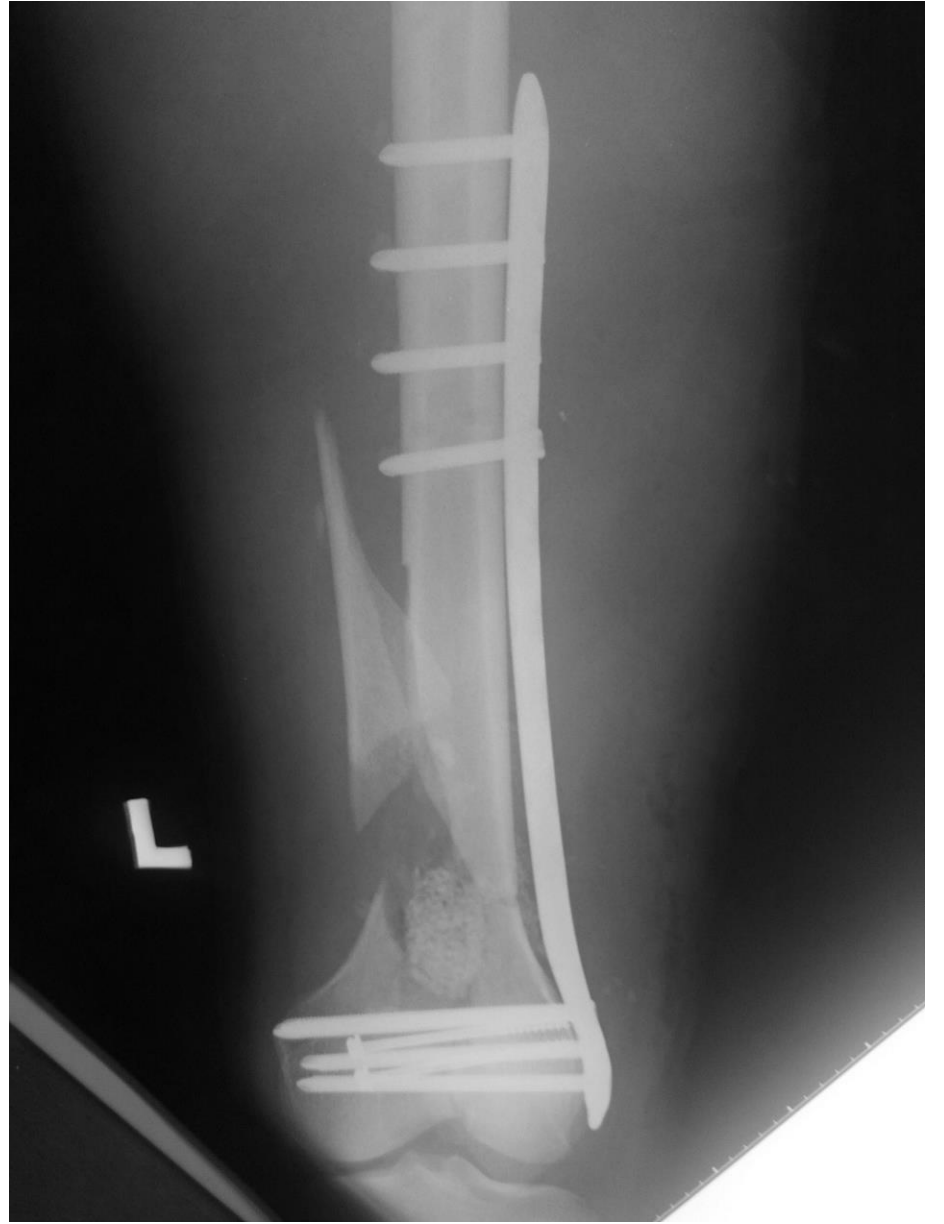


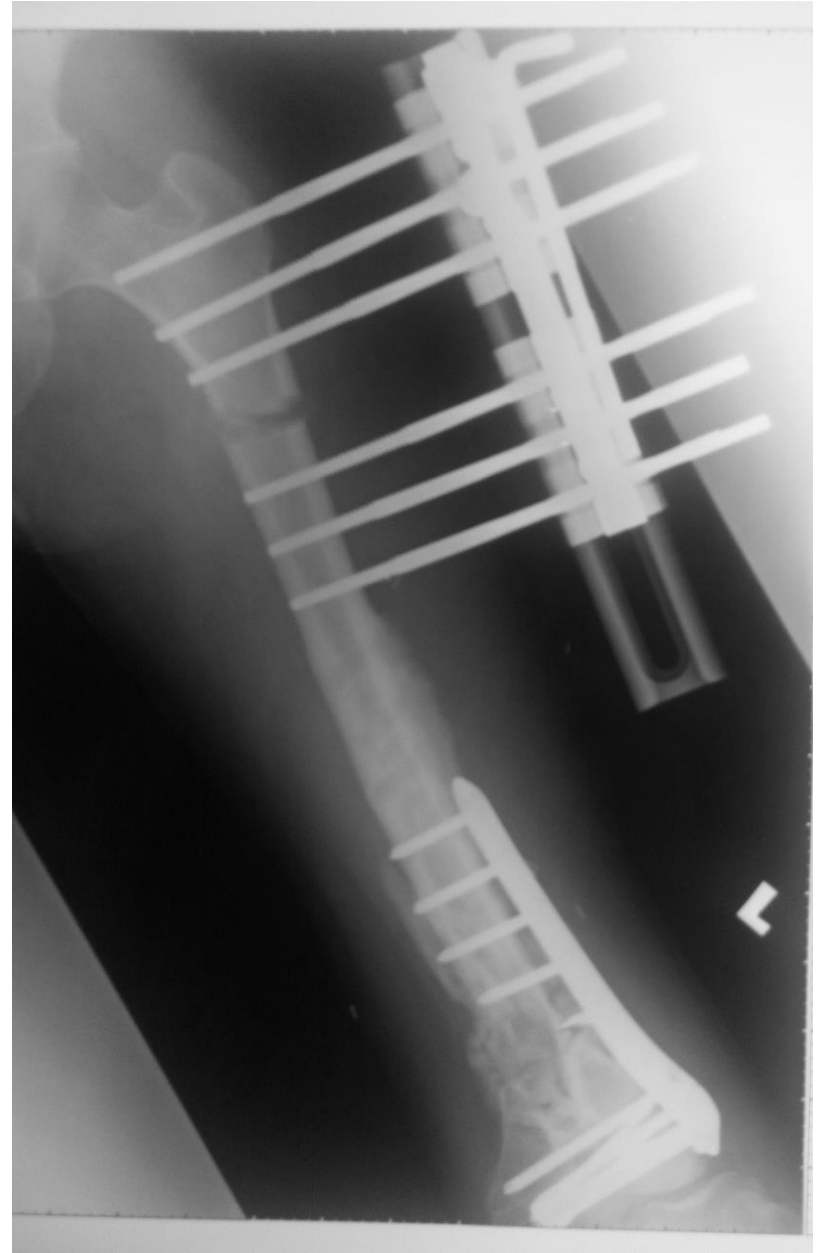
For patients who refused  
Ilizarov

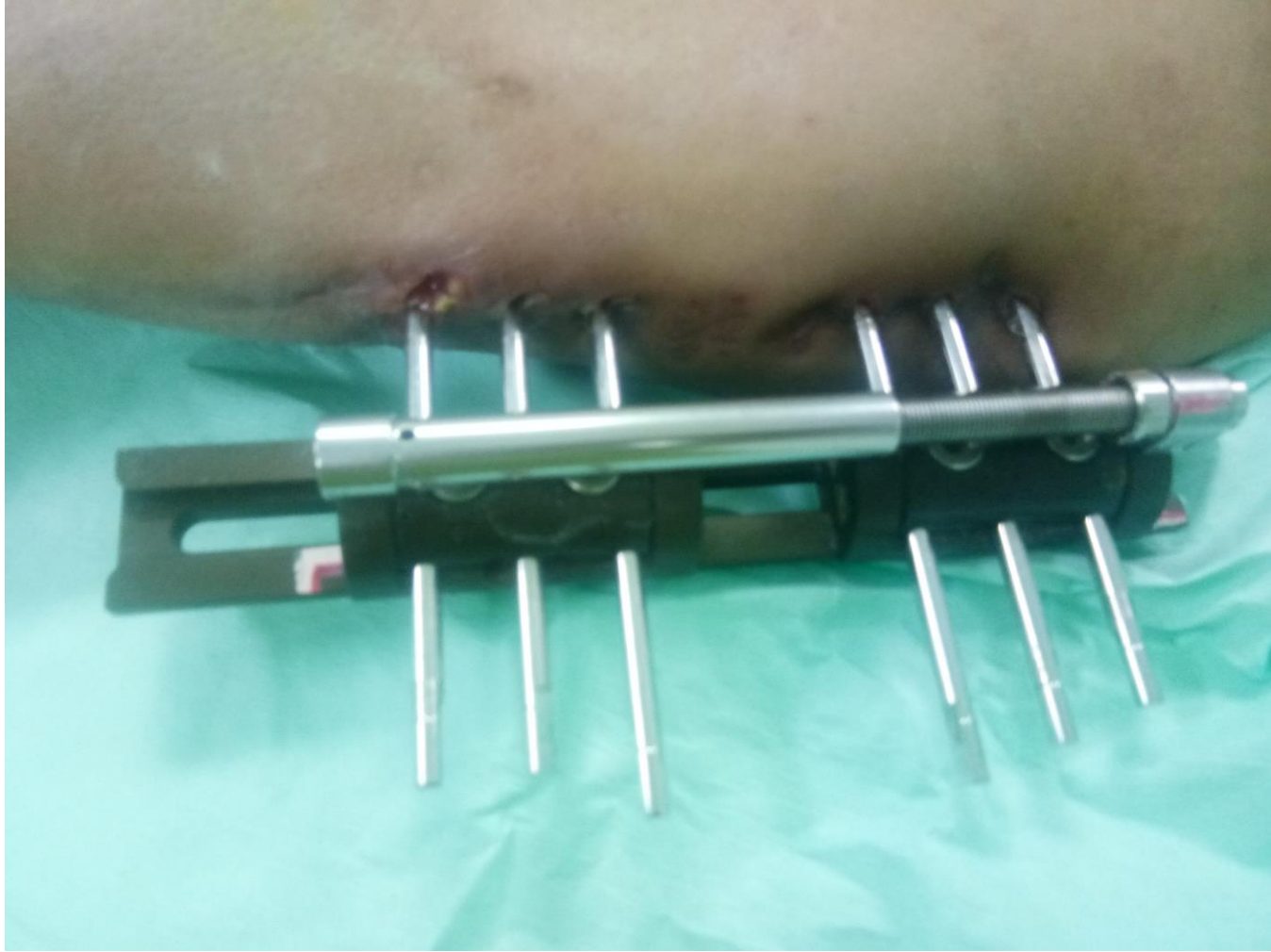
Staged exchange plating

















# Take home message

Remove implant unless .....

- Early infection
- Stable implant
- Fracture healing
- Good soft tissue condition
- Good host
- Sensitive organism

