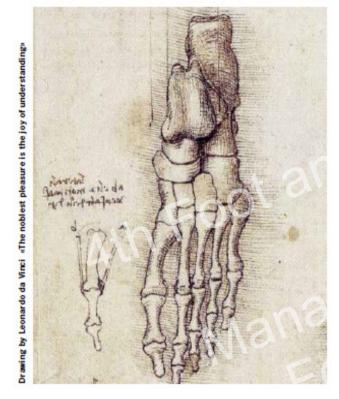
4th Foot and Ankle Symposium Managing Complications in Foot & Ankle Surgery



uniklinik Expertise in motion balgrist

FAILED TIBIOTAL OCALCANEAL Sympusion: CAUSES AND SOLUTIONS FAILED

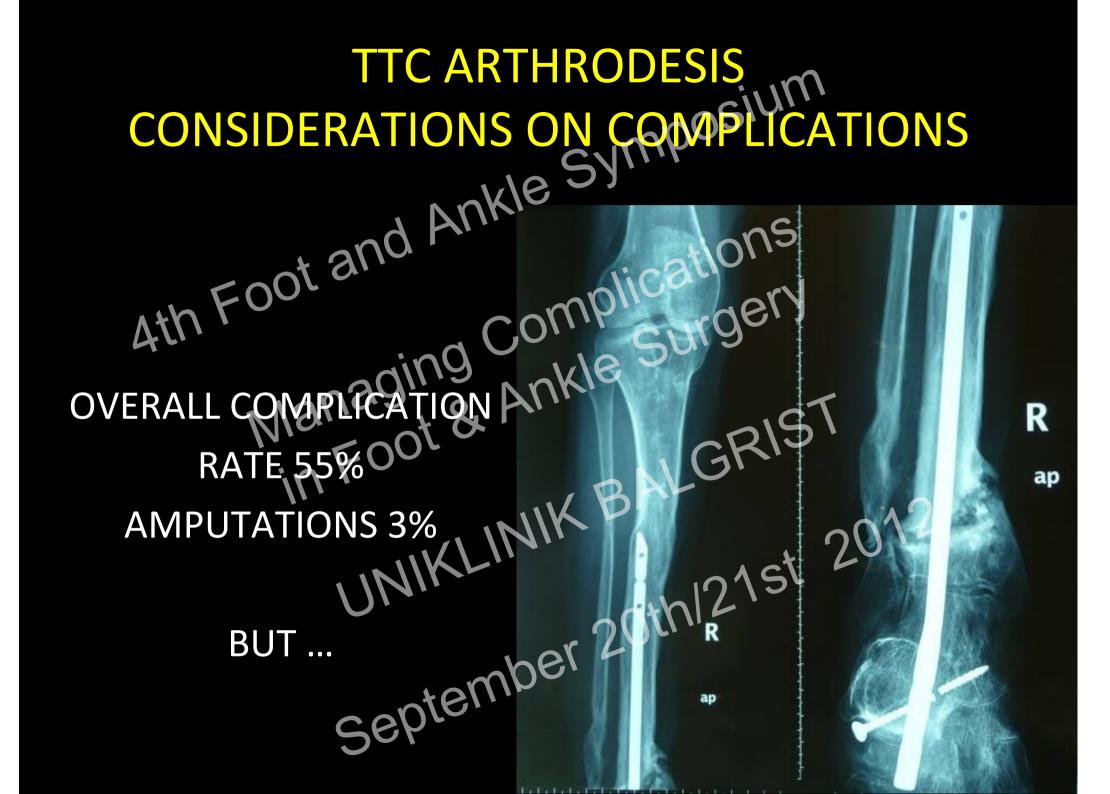
er 20th/21st 20 Manuel Monteagudo

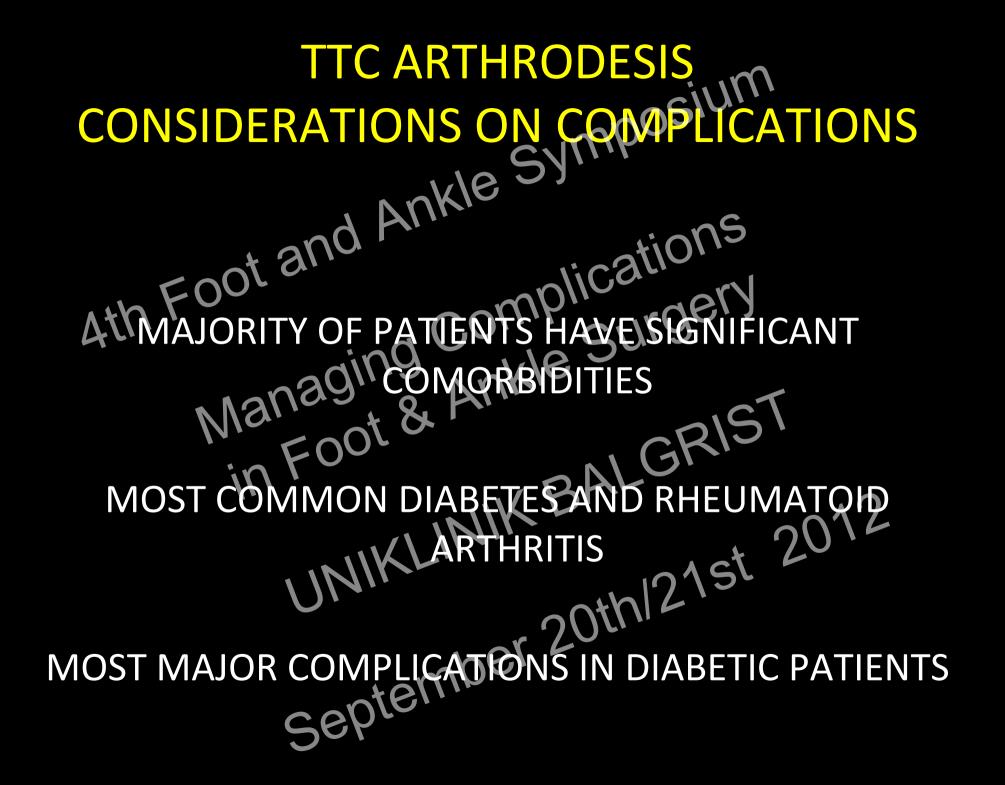
KLINIK BA

Orthopaedic Foot and Ankle Surgery Hospital Universitario Quirón, Madrid, Spain mmontyr@yahoo.com



SEQUELAE TRAUMA **AVASCULAR NECROSIS** t and Ankle Symposi **OSTEOARTRHOSIS** TALUS UNTREATED plications **FAILED TAR CLUBFOOT** Reversion of the surgers FAILED CHARCOT ANKLE **FUSION** RHEUMATOID NEUROMUSCULAR DISEASE ARTHRITIS 20th12 D Ι Septe







The success of tibiotalocalcaneal arthrodesis with intramedullary nailing – A systematic review of the literature

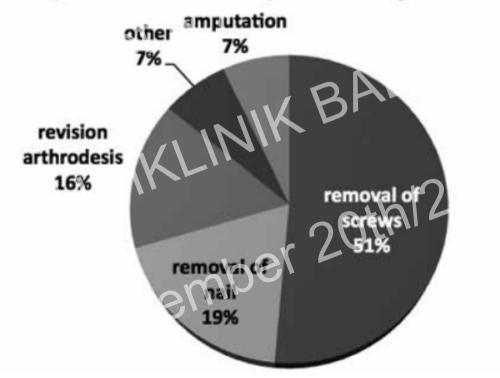
Shah JEHAN, Mohammad SHAKEEL, Andrew J. F. BING, Simon Owain HILL

The Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, UK

| Complications | Number of cases | Percentage of all joints (641) | Percentage of all complications (357) |
|------------------------------|-----------------|--------------------------------|---------------------------------------|
| Metalwork related | 107 | 16.8% | 30.0% |
| Non-union | 85 | 13.3% | 23.8% |
| Infection | 54 | 8.4% | 15.1% |
| Delayed union | 23 | 3.6% | 6.4% |
| Non-infective wound problems | 17 | 2.6% | 4.8% |
| Neurovascular | 16 | 2.5% | 4.5% |
| Deformity | 11 | 1.7% | 3.1% |
| Mal-union | 11 | 1.7% | 3.1% |
| Amputations | 10 | 1.5% | 2.8% |
| Other | 7 | 1.1% | 2.0% |
| Thromboembolic | 7 | 1.1% | 2.0% |
| Plantar pain | 5 | 0.8% | 1.4% |
| Bleeding | 4 | 0.6% | 1.1% |

| Re-operation | Total number | Percentage of all |
|----------------------|--------------|-------------------|
| | | procedures* (641) |
| Removal of screws | 73 | 11.4% |
| Removal of nail | 27 | 4.2% |
| Revision arthrodesis | 22 | 3.4% |
| Other | 10 | 1.6% |
| Amputation | 10 | 1.5% |

Proportion of re-operation procedures





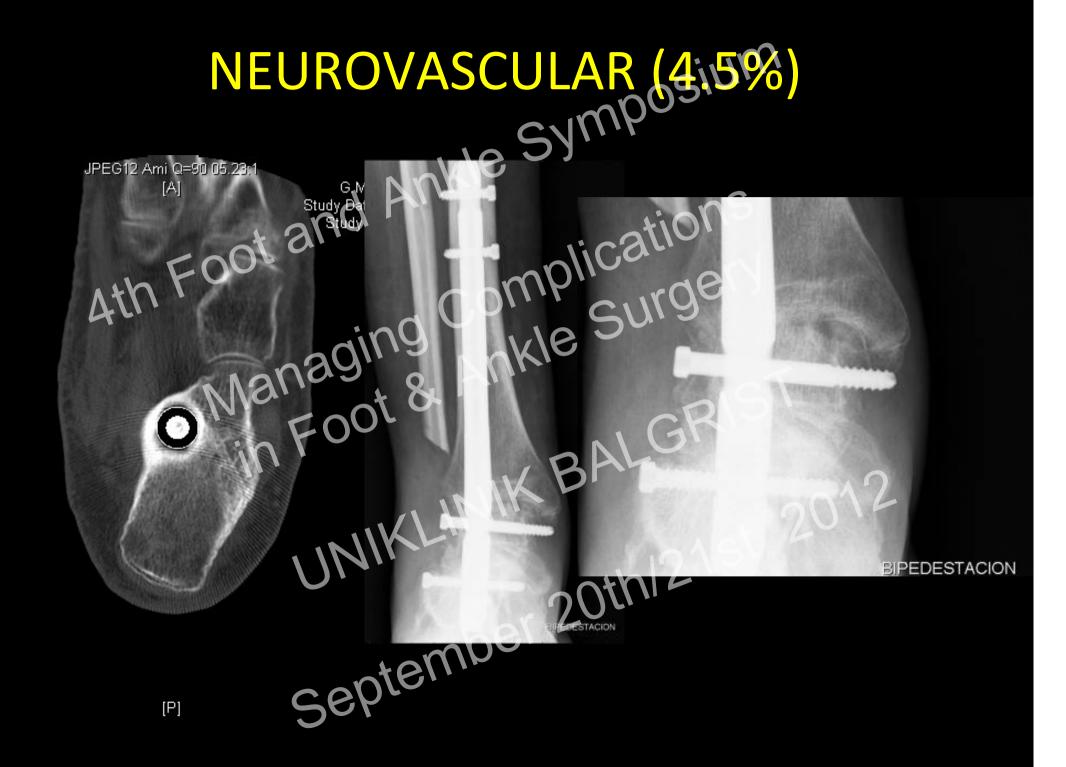
AMPUTATION (3%) CAUSES positive SOMETIMES INEVITABLE FOOTMEDICOLEGAL PROTECTION

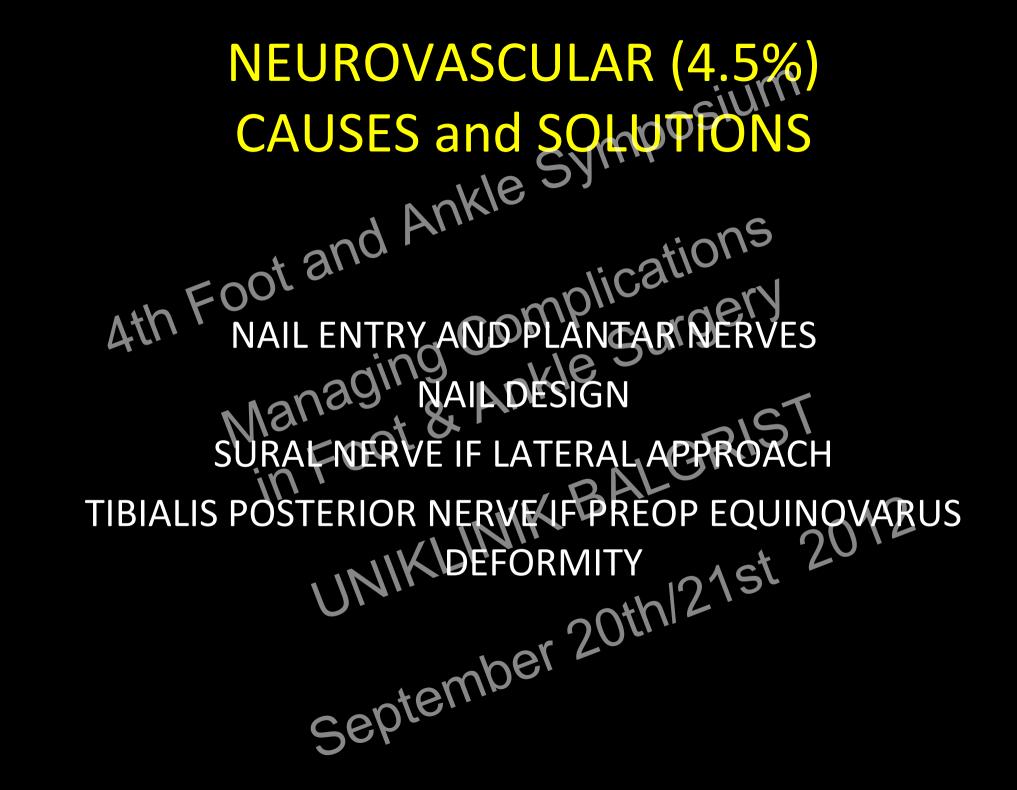


AMPUTATION (3%) SOLUTIONSOSIUM BE REALISTIC WITH PATIENT EXPECTATIONS UPGRADE IS ALWAYS A BOSSIBILITY

ember







NON-INFECTIVE WOUND PROBLEMS (5%) Symposities (5%) Symposities (5%) Symposities (5%) Symposities (5%)

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NON-INFECTIVE WOUND PROBLEMS (5%) CAUSES position Kle Symposium Ath Foot and Ankle Ath Foot and Ankle

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INFECTION (15%)





Solutions of the symposium of the sympos

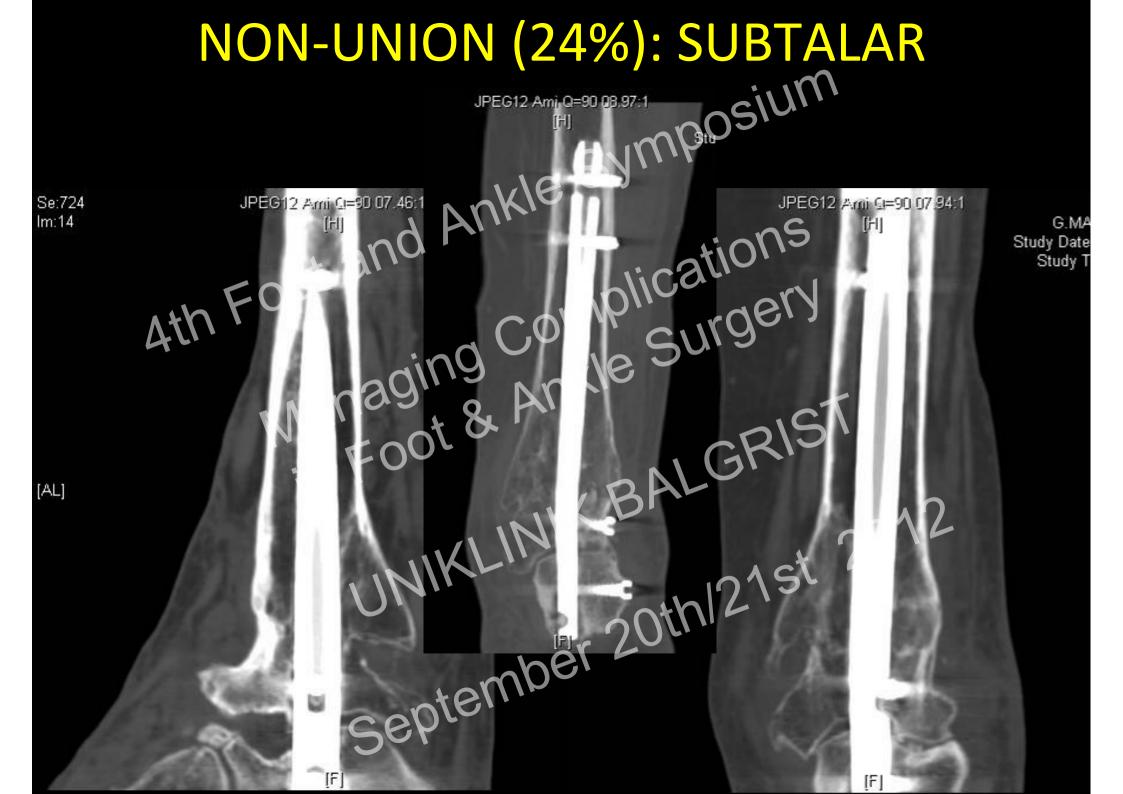
plications

kle surge















IM FIBULAR ALLOGRAFITKIC SCREWSFOOT and SCREWSFOOT and

BLADE-PLANE Ranaging CO in Foot & Ar in Foot & Ar

EXTERNAL FIXATOR

RETROGRADE NAIL Septembe

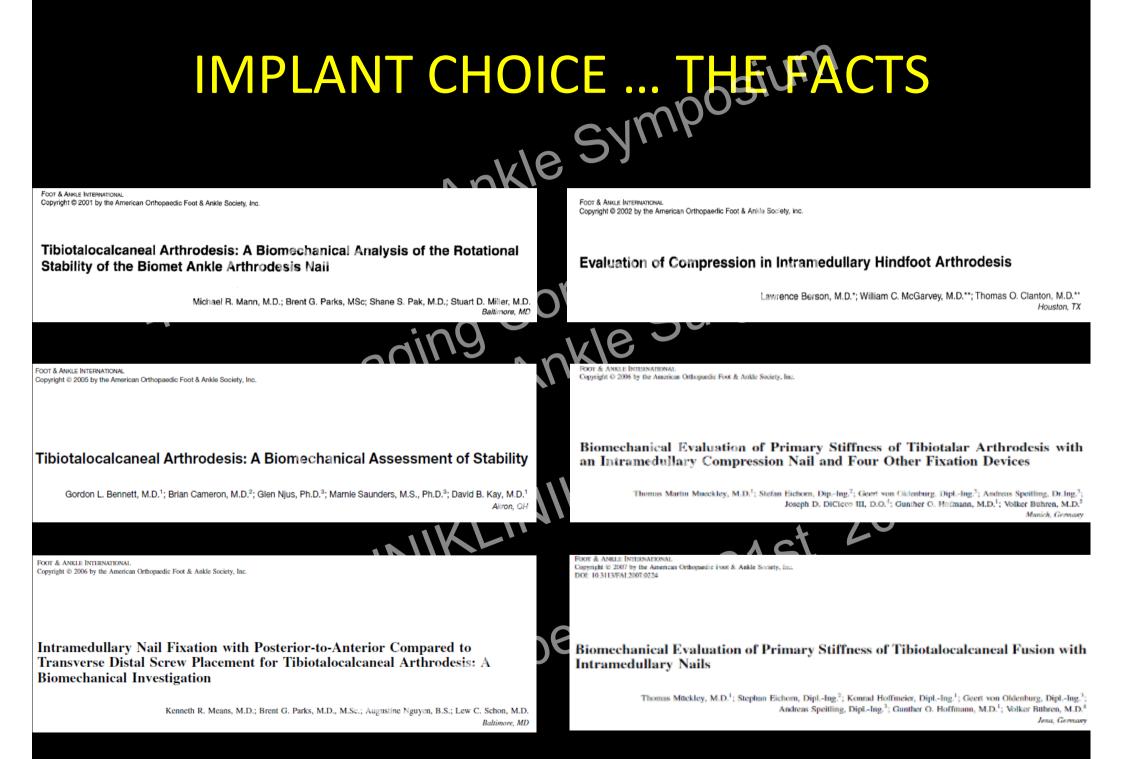
IM FIBULAR ALLOGRAFITKIO SCREWSFOOT and SCREWSFOOT

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BLADE-PLATE Ranaging CO in Foot & Ar in Foot & Ar

EXTERNAL FIXATOR

RETROGRADE NAIL Septembe



COMPRESSION & posium MECHANICAL STABILIT Ath Foot and Ankles

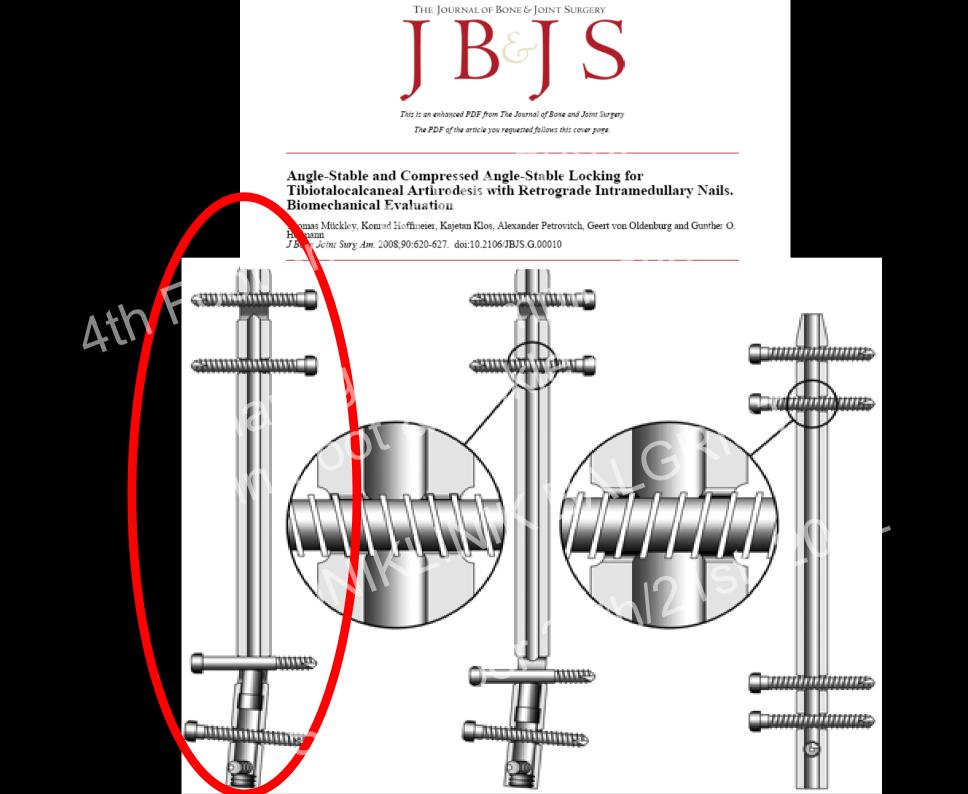
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1st GENERATION

Foot 2

Mar

D

symposium **2nd GENERATION**

D

UNIKLINIK **STRAIGHT** NO POSTERIOR TO ANTERIOR CALCANEAL SCREW **NO COMPRESSION**

September 20th/21st ANTERIOR CALCANEAL SCREW **DOUBLE COMPRESSION**

FIXED ANGLED

POSTERIOR TO

TTC BY RETROGRADE IN NAIL: OUR EXPERIENCE MARIE Sylfance Apole and Ankle Apole and Apol present study (learning curve) in FOOL 2004-2008 – 6 cases lost for follow-up? Rest 26 cases included: 13 1st Gen Vs 13 2nd Gen

EPIDEMIOLOGY Mean age – 60y 19 female – 7 male 18 left¹ 8 right 20 patients with previous nki surgeries (5 pts > 3) Mean follow-up 89 INIK PA One single surgeor ber



INDICATIONS MATCHED IN BOTH GROUPS nosium

lications

ot and Ankle S

All the sections

Hospital Alcorcón

Managing Complications Managing Ankle Surgery in Foot & Ankle POSTRAUMATIC OSTEOARTHRITIS (100446) STAGE IV TIBIALIS POST DYSFUNCTION (6 – 4+2) FAILED ANKLE REPLACEMENT (4 – 1+3) REUMATHORD ARTHRITIS (4 – 3+1) CHARCOT (2 – 1+1)

RESULTS

1st GENERATION

FUSION – 14 WEEKS

and A AOFAS A-HINDFOOT Preop: 40 Postop 1y: 67 1y ROCKER-BOTTOM 700

VAS (visual analogue scale) From 9.5 to 2

moosium **2nd GENERATION**

FUSION – 10 WEEKS?

OKIE SUIGEROFAS A-HINDFOOT

Postop 1y: 68

ROCKER-BOTTOM: 73

VAS (visual analogue scale) ·20th/2 From 9.2 to 1.6

mm nail in 20 cases Mean tourniquet time 85 minutes

| Ist GENERATION RESULTS 1st GENERATION Symposium 2nd GENERATION PATIENT Ankle Symposium 2nd GENERATION SATISFACTION OOT Ankle Symposium 2nd GENERATION SATISFACTION OOT Ankle Symposium 2nd GENERATION | |
|---|---|
| 1 st GENERATION | Symposicie Generation |
| DATIENT | nkie ons DATIENT |
| PATIENT Cot allo | vications PATIENT |
| SATISFACTIONO | SATISFACTION |
| Excellent – 3 | |
| Good – 8 Satisfactory – 1 | Excellent – 5 Good – 4 |
| Satisfactory – 1 | Satisfactory – 3 |
| Poor – 1 | VE SURQUITAGAIN? VE SURQUITAGAIN? VYes – 12 No – 1 |
| WOULD HA | VE SURONY AGAIN? |
| Yes – 10 | Yes-12 |
| No-3 Septe | No-1 |



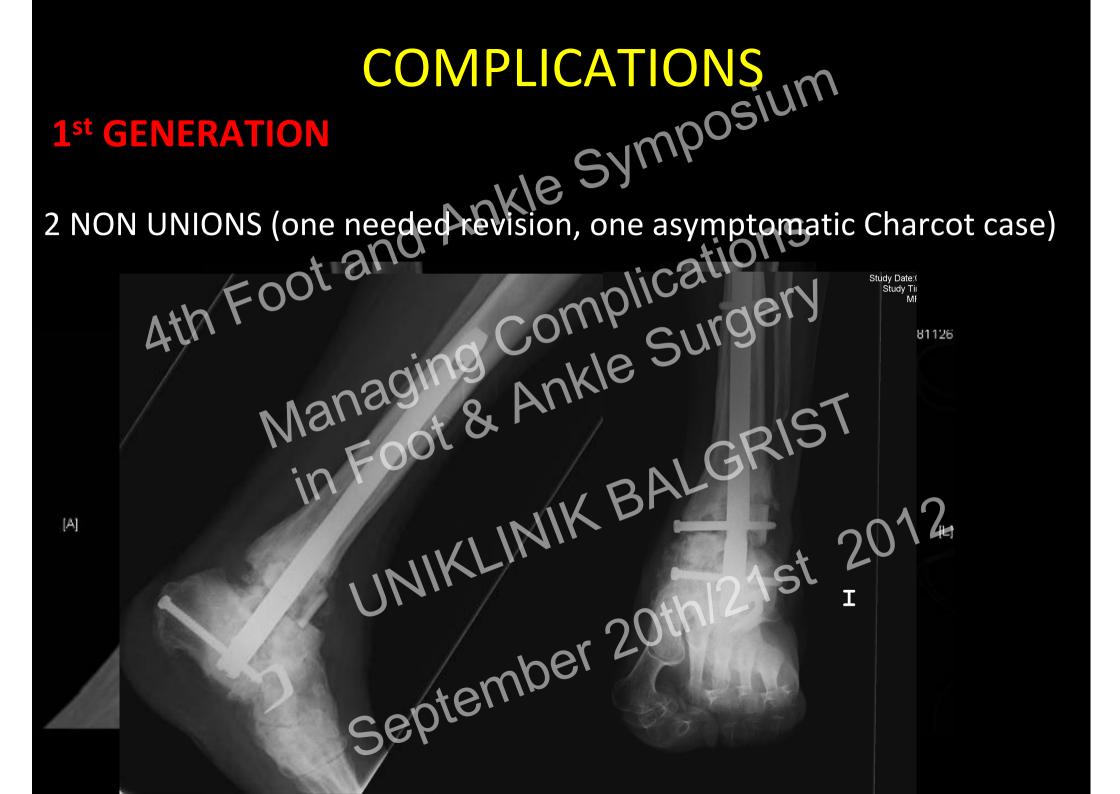
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Comparison of Two Intramedullary Nails for Tibiotalocalcaneal Fusion: Anatomic and Radiographic Considerations

> Thomas Mückley, M.D.; Sebastian Ulim, M.D.; Alexander Petrovitch, M.D.; Kajetan Klos, M.D.; Claudia Beimel, M.Sc.; Rosemarie Fröber, M.D.; Gunther O. Hofmann, M.D.



COMPLICATIONS 2nd GENERATION 1st GENERATION 1 POSTOP TIBIAL 2 NON UNIONS STRESS FRACTURE (one needed revision, one asymptomatic **1 PROMINENT** Charcot case) Mar **SCREW** 1 INTRAOP TIBIAL FRAGTURE 2 MILD HINDFOOT (needed removal) September 20th/21st DEFORM 2 MILD EQUINUS



SURGICAL TECHNIQUE

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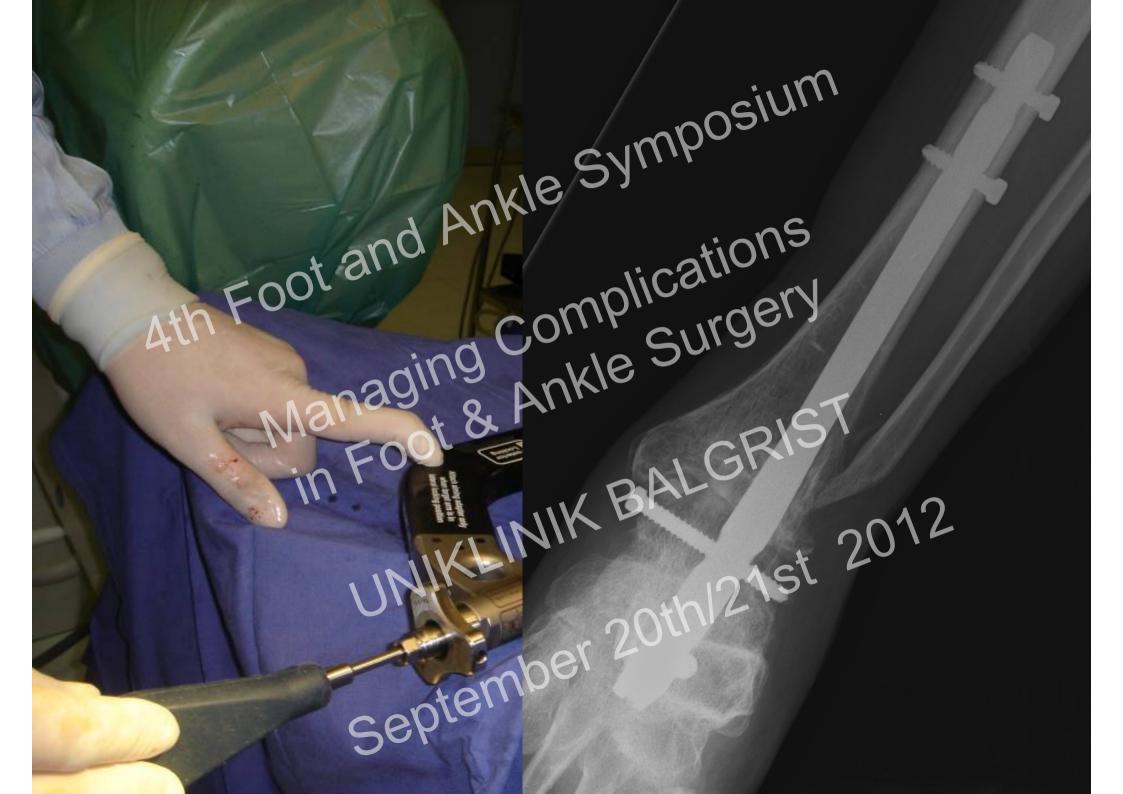
September 20th/21st 2012 BIPEDESTACION

4th Fooi





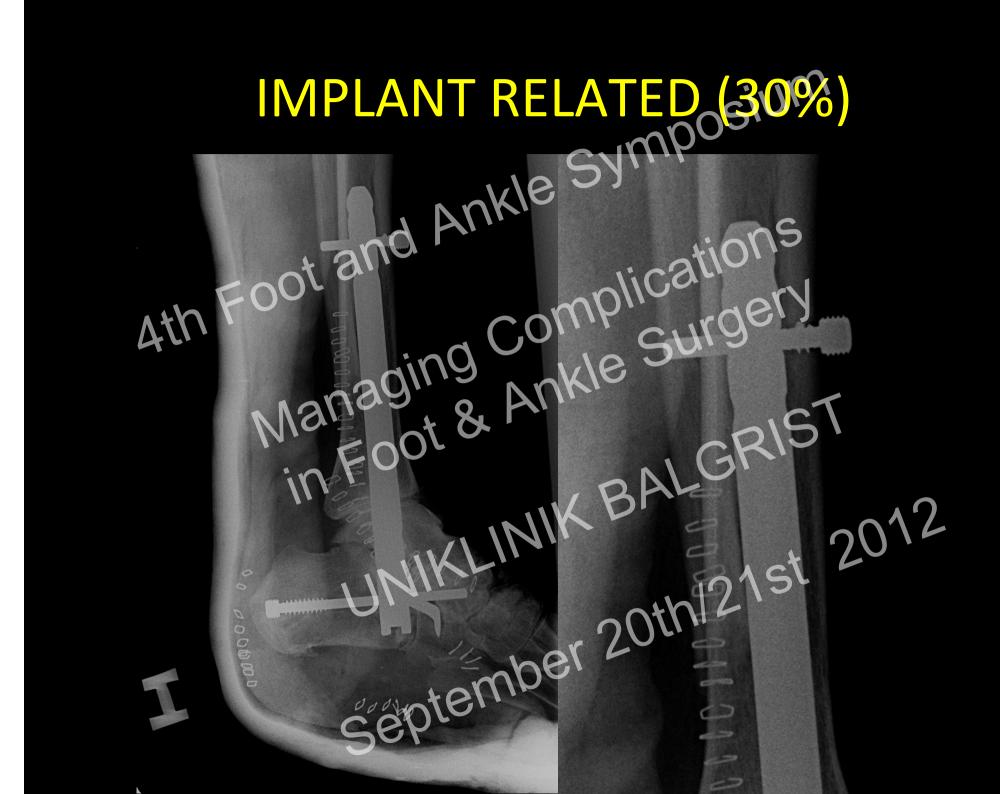


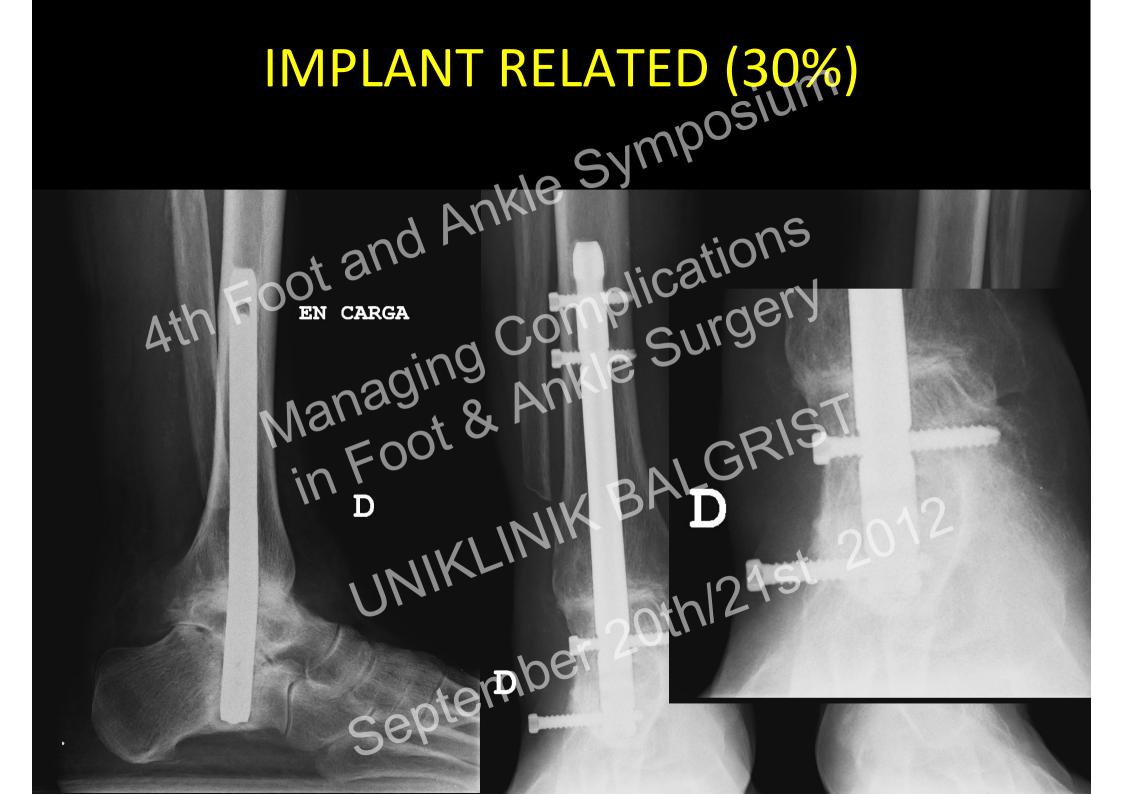




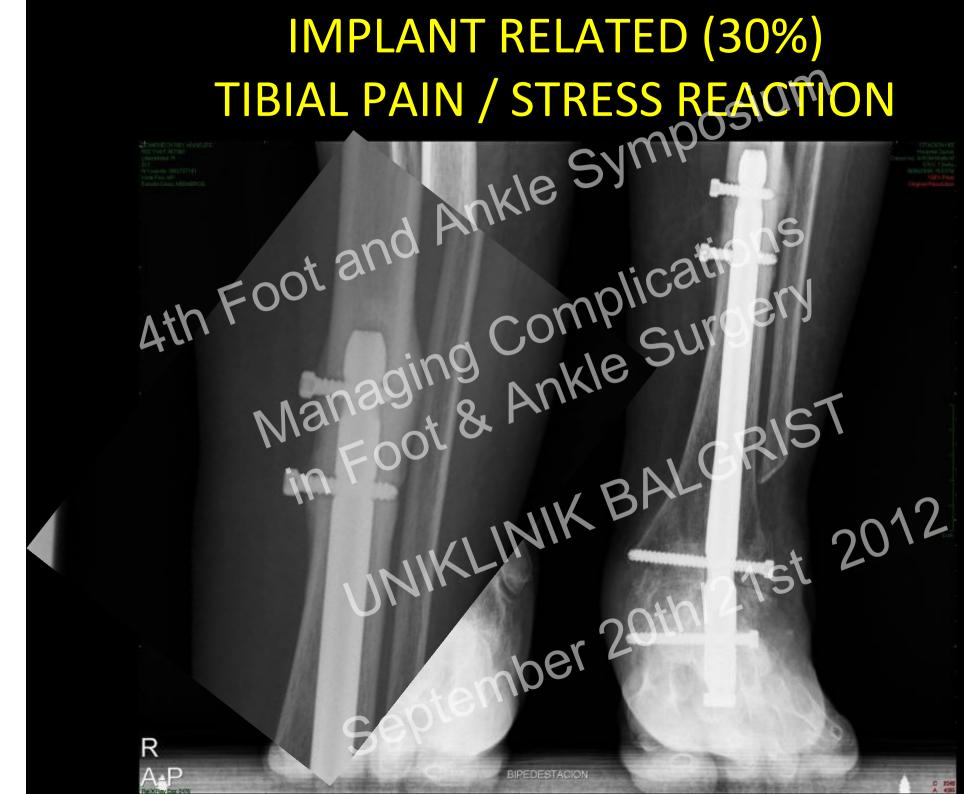




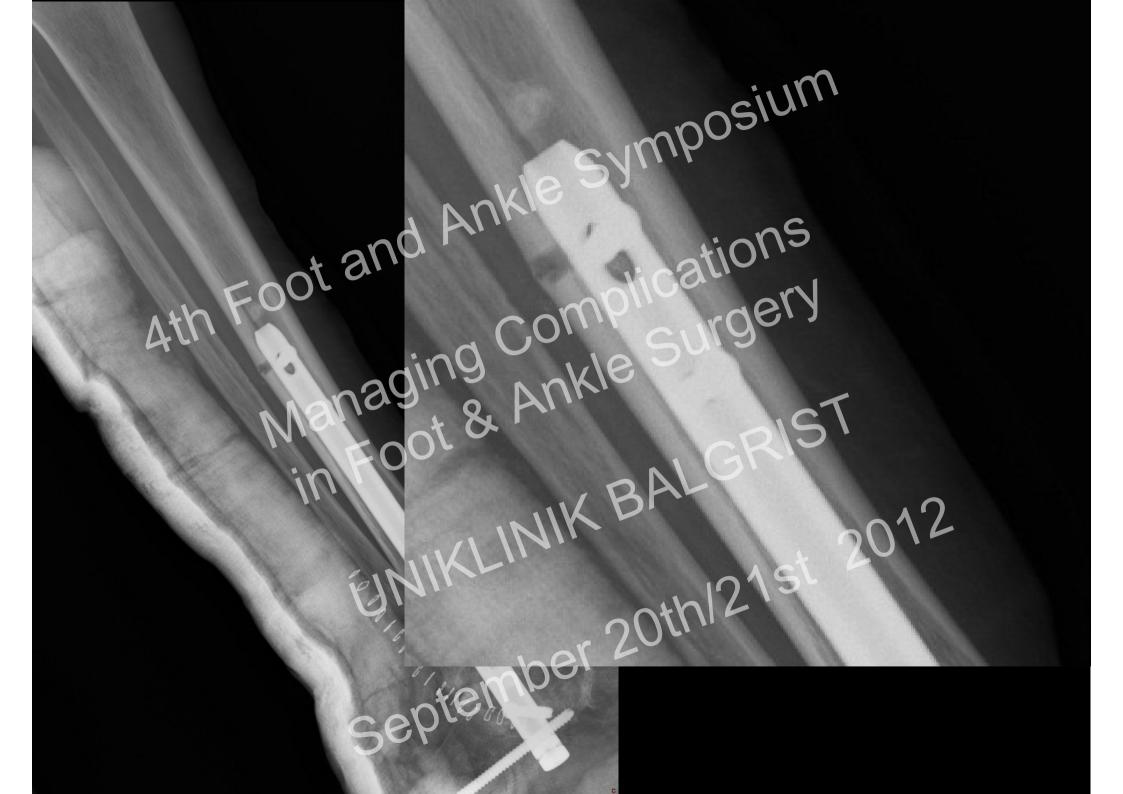


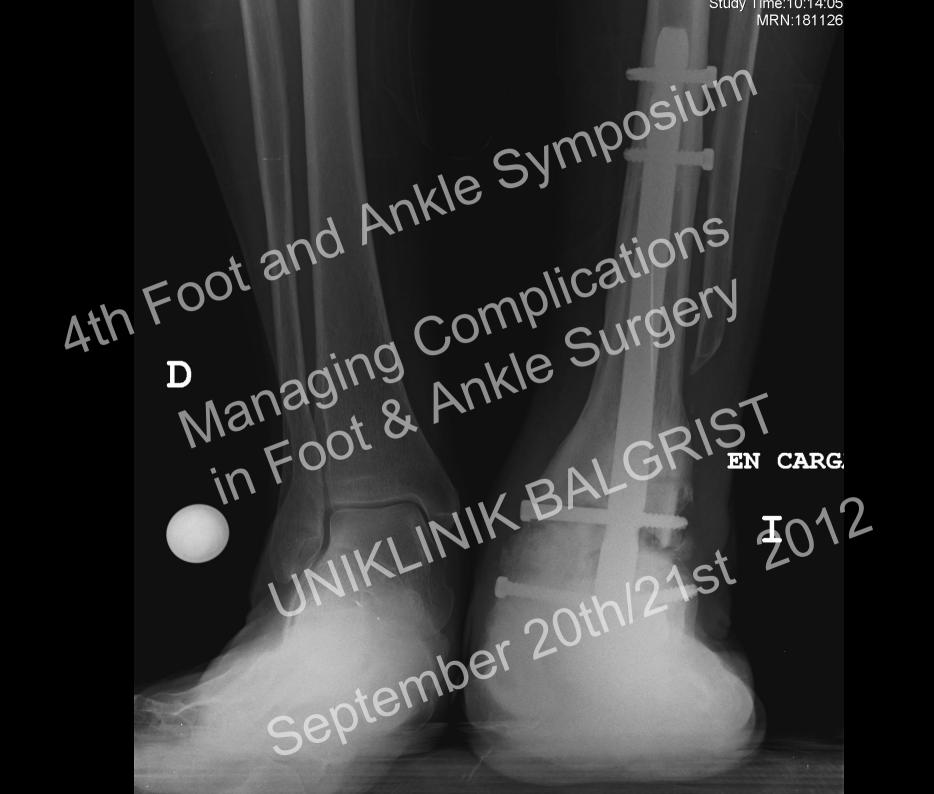






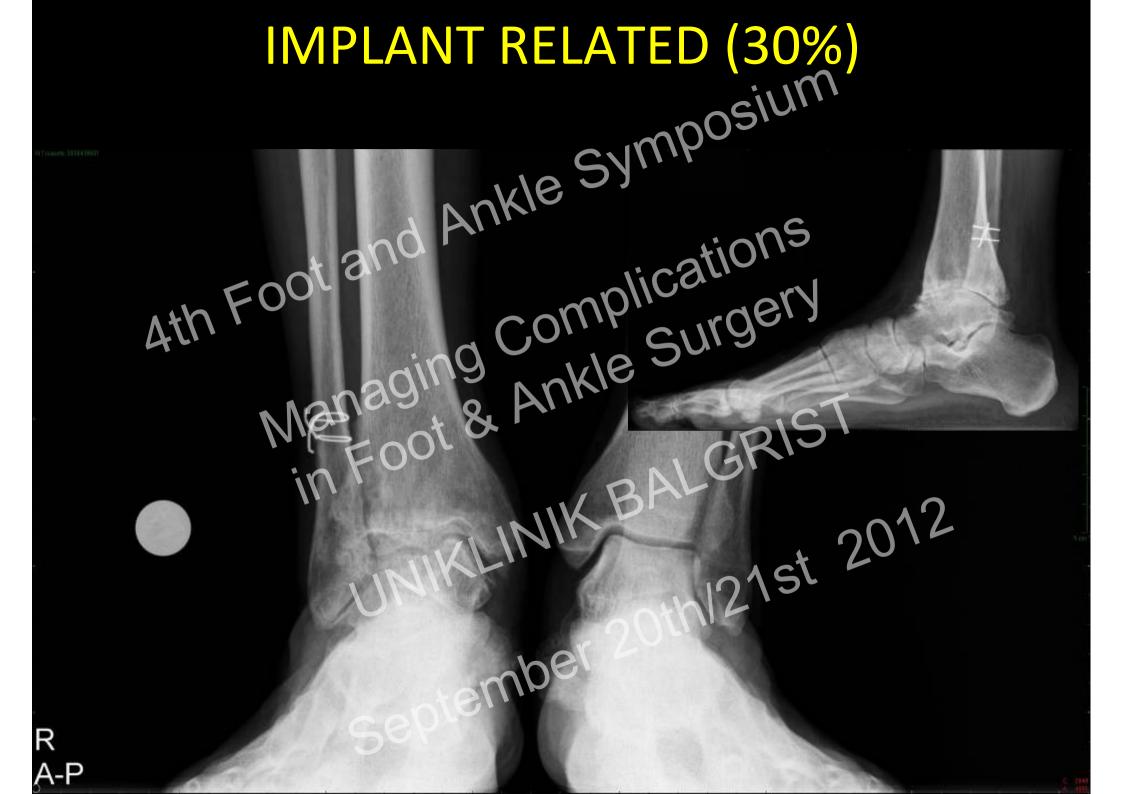


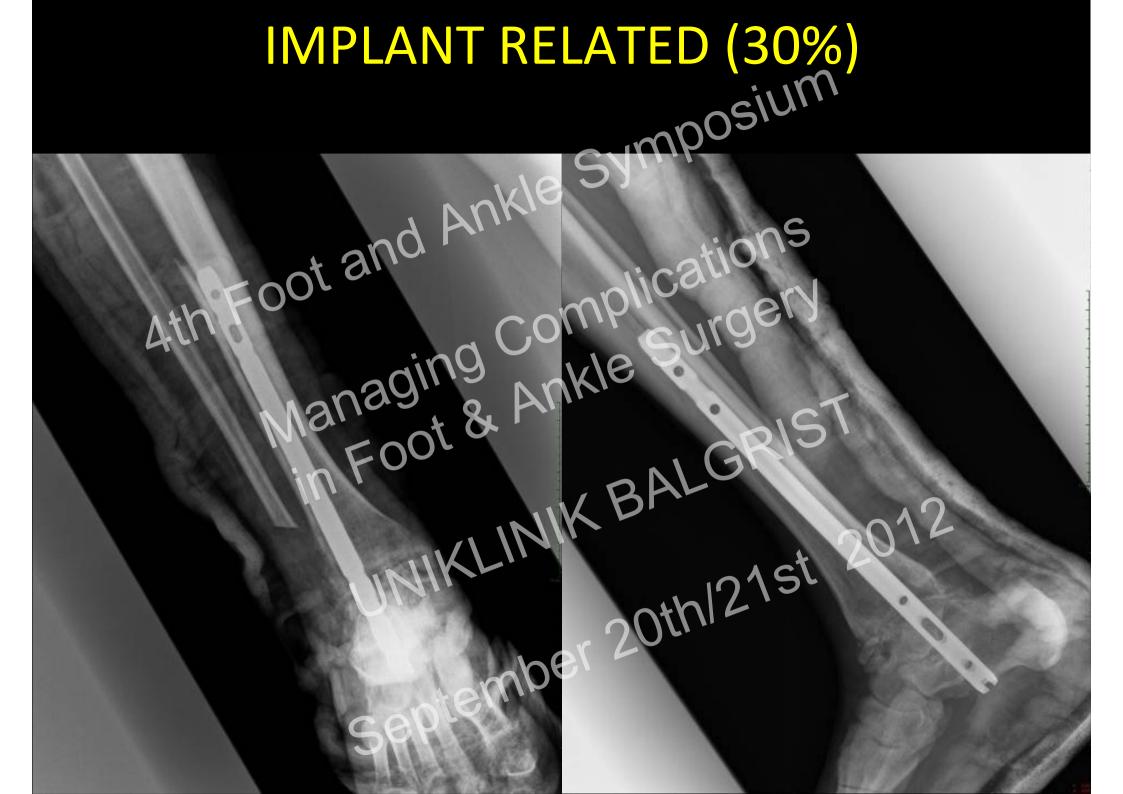


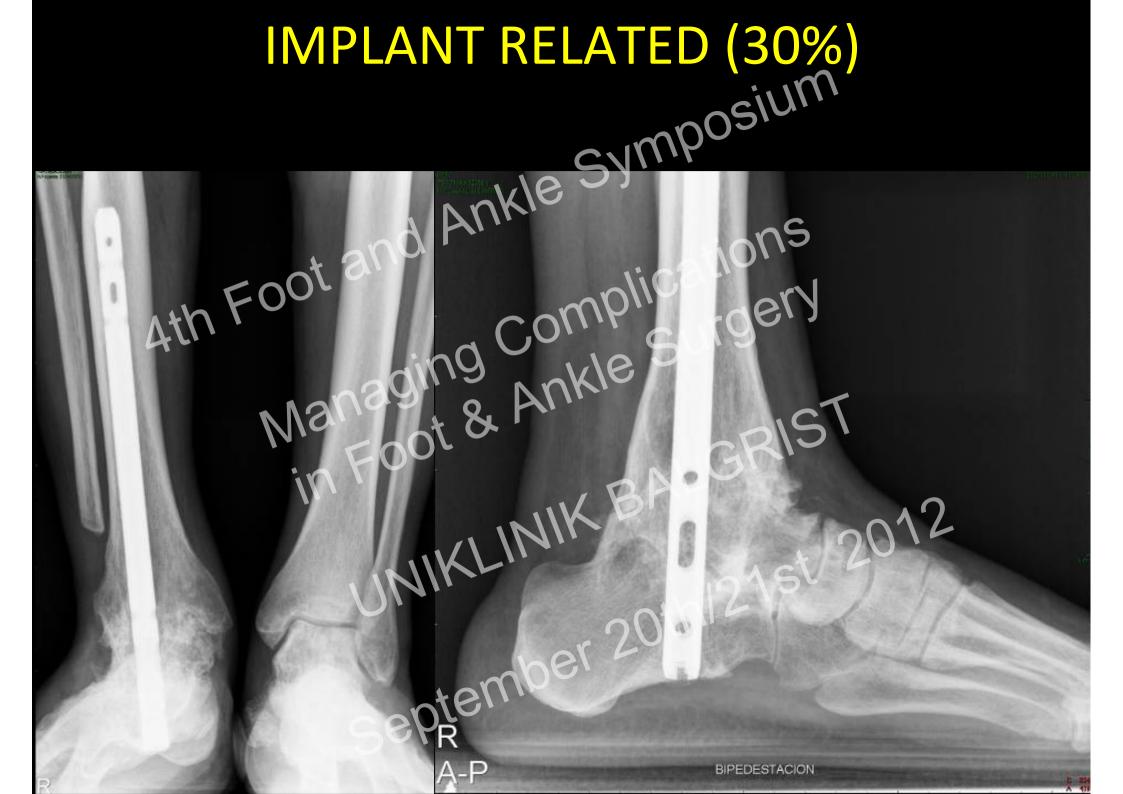


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Formplications on complex cases Optimize patient condition whenever possible Marknow your implants of Improve your surgical technique

september 20th12

L-R

TAKE HOME Fixed angle nails + posterior-to-anterior screw biomechanical support for increased primary stability in 2nd generation nails posium september 20th 12

L-R

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EN CARGA

