R medial Lisfranc arthrosis 310 Martin Weber isorders of Management Martin Weber isorders and Management Martin Weber isorders and Management Martin Weber isorders and Management $u^{\scriptscriptstyle b}$ UNIKLINIK BALGRIST September 9th, 2011



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d Ankle

Medial Lisfranc arthrosis – etiology

- **Isolated Lisfranc**
 - Posttraumatic
 Idiopathic
- Combined >

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- Idiopathic
- Posttraumatic

isolated Lisfranc deformity vs multi-



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3rd Foot and A Arthritic Disorders Diagnosis







Lateral radiograph

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- >tm1 >
- dC1-M5 >
- Edge C1 >
- Osteophytes >
- **Subluxation** >
- Arthritic



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Medial Lisfranc arthrosis – variable anatomy anatomy

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- **Planus deformity** >
- Medial or lateral or no > displacement of 1st metatarsal
- With or without forefoot (S >
- Naviculo-cuneiform SIS arthrosis >

Medial Lisfranc arthrosis – variable anatomy Planus-adductus deformity kie Symp Varus displacer

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- >
- Arthritic Disorders of the Fo Varus displacement of 1st >
- >

Medial Lisfranc arthrosis variable anatomy hend

- **Planus deformity** >
- Ankle Unstable TMTJ-1, stable > MTPJ-1 COO
- Arthritic Disorders of Diagnosis and >

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Medial Lisfranc arthrosis – uniform medial Lisfranc arthrosis – uniform medial Lisfranc arthrosis – uniform medial content of the second and the second arthrosis – uniform median content of the second arthrosis – uniform Arthritic Disorders of the Foot and Ankle Diagnosis and Management

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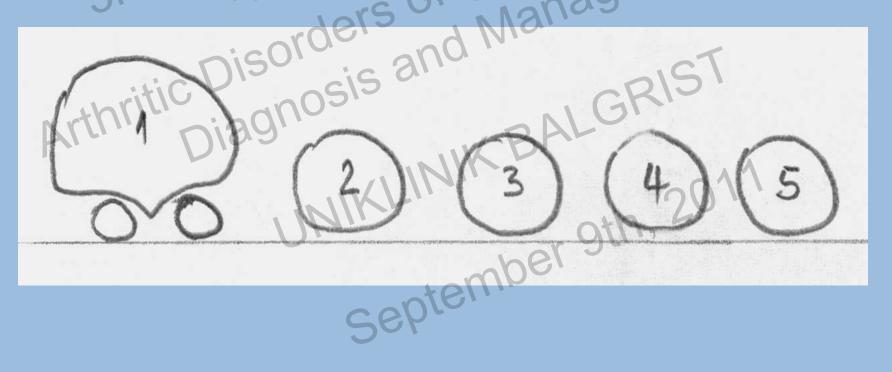


Medial Lisfranc arthrosis - treatment

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- > In situ-arthrodesis (accept deformity)
 - Advantage: sagittal balance of MT heads preserved
 - Disadvantage: persisting deformity, pressure plantar-medial 3 over bony prominence, hyperpressure lateral Lisfranc



In situ-arthrodesis



Posttraumatic arthrosis with minimal deformity In situ-arthrodesis: fixation with screws No correction or fixation necessary: TMT4-5





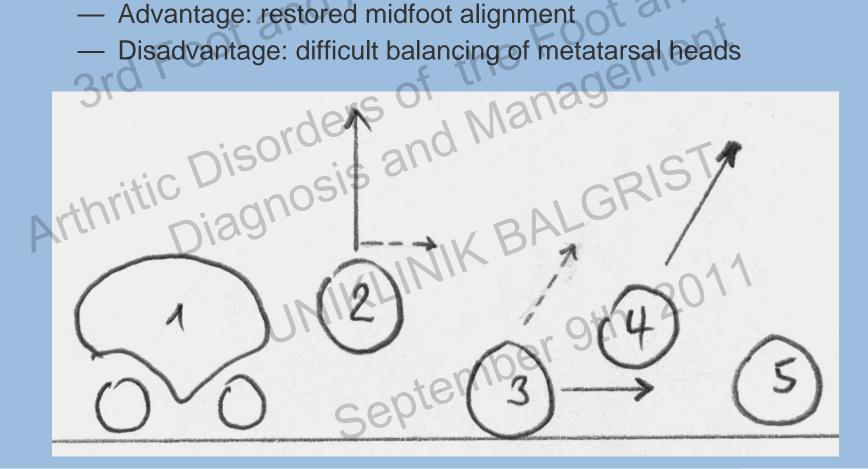






Medial Lisfranc arthrosis - treatment

- >
- Arthrodesis with realignment
- Advantage: restored midfoot alignment
 Disadvantage: difficult balanci

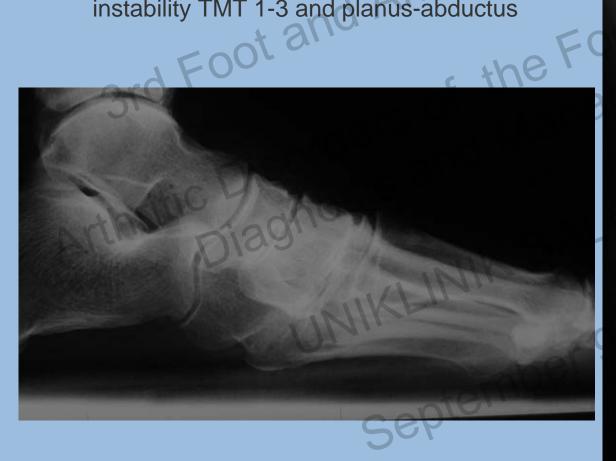


Arthrodesis with realignment



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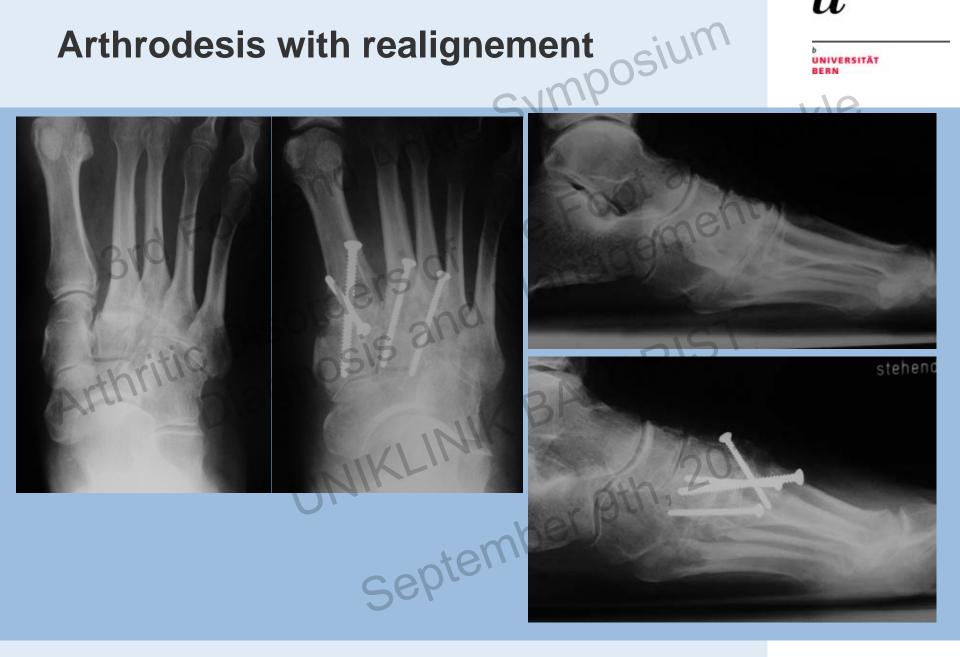
 Idiopathic Lisfranc arthrosis usually presents instability TMT 1-3 and planus-abductus



Arthrodesis with realignement



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and tricks Reduction always in plantar medial direction Medial Lisfranc arthrosis - arthrodesis

- Arthritic Disorders of Management Diagnosis and Management

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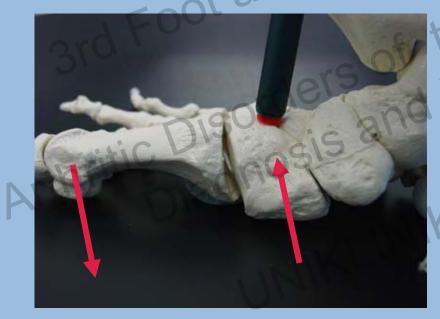
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Direction of reduction

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Symposium Most frequent direction of instability: > -Dorso-lateral subluxation (=pronation, "arch flattening)



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A Burners Medial Lisfranc arthrosis - arthrodesis

- IMTJ4+5 follow spontaneously Storept: severe rigid deformity, neuropathic fracture-dislocation Disorders and Margaret GRIST

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- TMTJ249 5 follow spontaneously Plan for wedge grafts TMTJ-2 Arthic Disorders and Management

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Medial Lisfranc arthrosis - arthrodesis

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Ankle

Tips and tricks >

- Reduction always in plantar medial direction spontaneously Plan for wedge grafts TMTJ-2 Diag

Arthritic



Medial Lisfranc arthrosis - arthrodesis Ankle Sympo

Ankle

Tips and tricks >

- Reduction always in plantar

- Plan for wedge grafts TMTJ-2 Shortening difficult for a ray: intermediate of the second secon connections
 - Shortening of rays 1-3 difficult to balance

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A modeling of the second second

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Medial Lisfranc arthrosis - arthrodesis

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Medial Lisfranc arthrosis - arthrodesis

Tips and tricks

- and tricks Reduction always in plantar medial direction always in plantar medial direction always follow spontaneously an for wedge grafts TMF
- Plan for wedge grafts TMTJ-2
- Plate fixation in large angular corrections

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Delicate soft tissues – BE GENTLE ! Arthritic UNIKLINIK BALGR



Summary – medial Lisfranc arthrosis

- Idiopathic Lisfranc arthrosis usually presents > with instability TMTJ 1-3
- 10-15% of adult acquired flatfoot >
- MT-1 varus (hallux valgus) or abductus >
- Isolated or in combination with triple joint complex deformity
- Pes planus-abductus, heel NOT in valgus in > pure Lisfranc deformity
- Realignment arthrodesis >
- Anticipate eventual bony defekcts TMTJ 2 (+3) > (graft)





- TMT 4 and 5 and Ankle Symposium Lateral Lisfranc arthrosis

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- >
- Arthrodesis Resection-interposition arthroplasty (tendon) Implant arthroplasty (ceramic balls) 3rd

 Implant arthroplasty (ceramic balls)
 Author's choice:
 Hemiresection-interposition arthroplasty with peroneus tertius-tendon UNIKL September 9th, 2011







