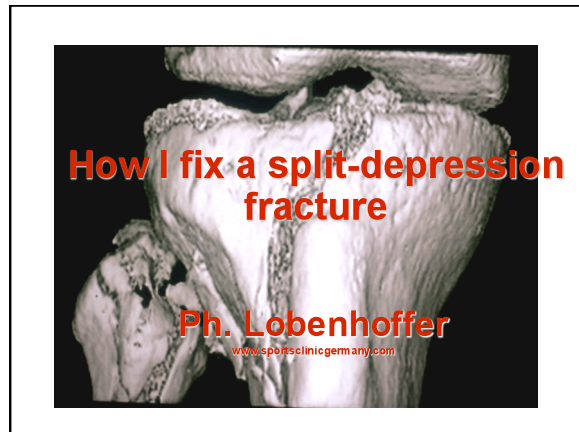




Arguments for use of plate

- Reduction under direct control
- Meniscus can be safely repaired
- Metaphyseal defects can be addressed
- Ideal plate position easy to accomplish

Implant choice

- 3,5 mm. radius T-plate (optional 3,5 LCP)
- 4 screws directly subchondral to support the reduced plateau surface
- Plate can be placed under focus of the fx.
- Overbending allows to use plate as a reduction-compression tool

Jubel et al Unfallchirurg 2006

Tibial Plateau Fractures

Metaphyseal bone defect

Risk of instability and loss of reduction

Autologous bone graft

Advantages

- Available
- Cheap
- Osteoinductive

Disadvantages

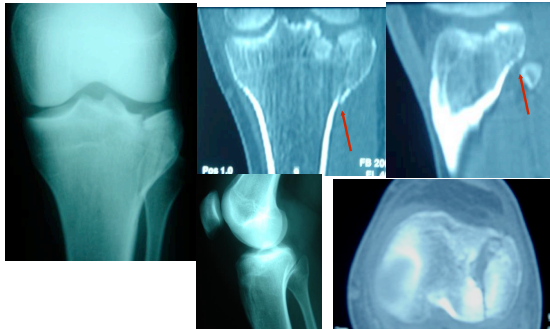
- Low primary strength
- Morbidity
- OR time

Norian SRS

- Calcium phosphate (mineralic phase of bone)
- Injectable cold-hardening paste
- Compression strength:
10 Min.: 12 Mpa.
12 hours: 55 Mpa.

Lobenhoffer, J Orthop Trauma 16, 2003, 143-9
26 cases, 2 y. follow-up

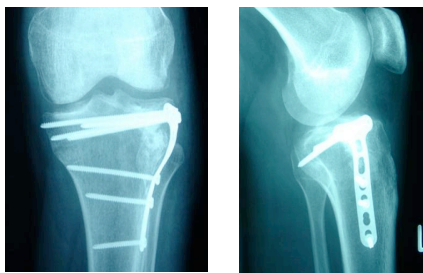
D., J., 26 J., Skiing Injury



D., J., 26 J., Skiing Injury



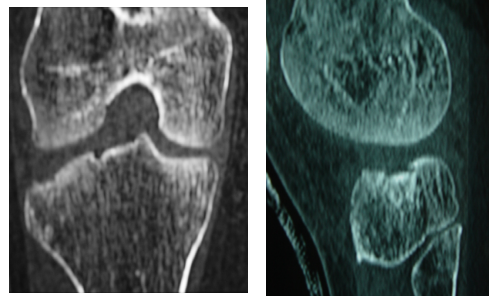
D. J., 26 J., Skiing injury



6 weeks postop

Norian SRS

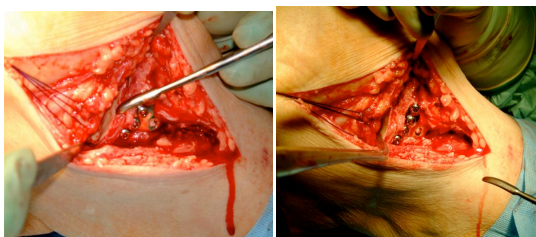
H.G., 61 J.



Norian SRS

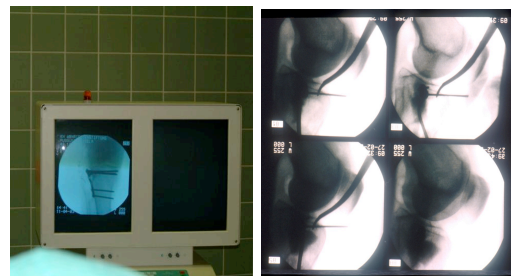
H.G., 61 J.

Reposition und Osteosynthese



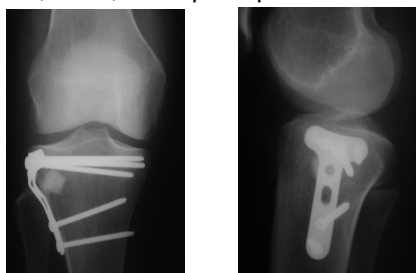
Norian SRS

H.G., 61 J.



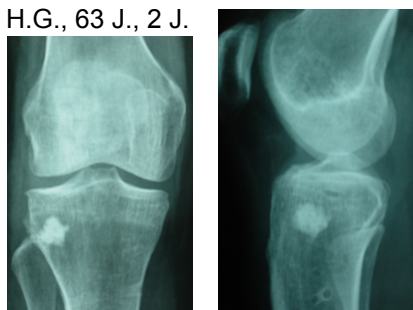
Norian SRS

H.G., 61 J., 3 Mo postop



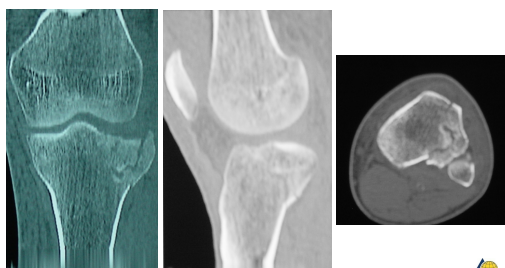
Norian SRS

H.G., 63 J., 2 J.



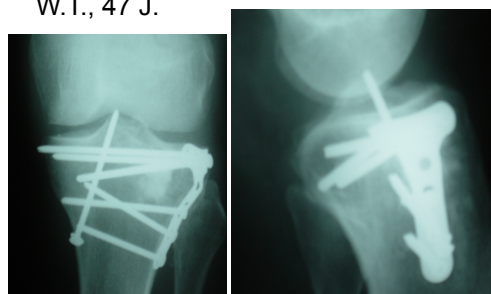
Norian SRS

W.T., 47 J.



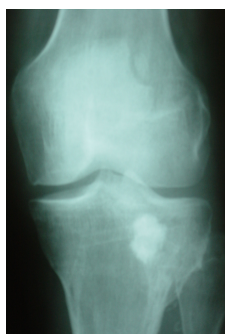
Norian SRS

W.T., 47 J.

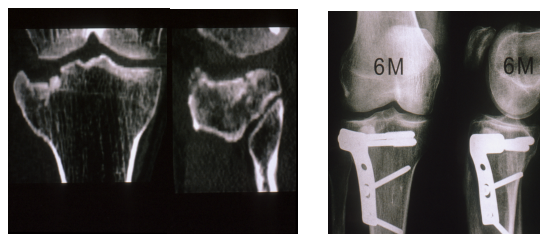


Norian SRS

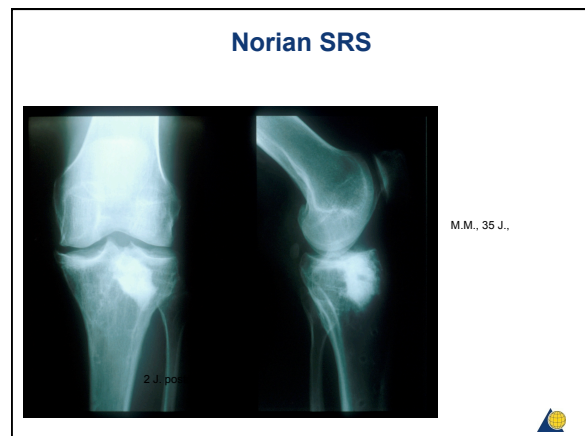
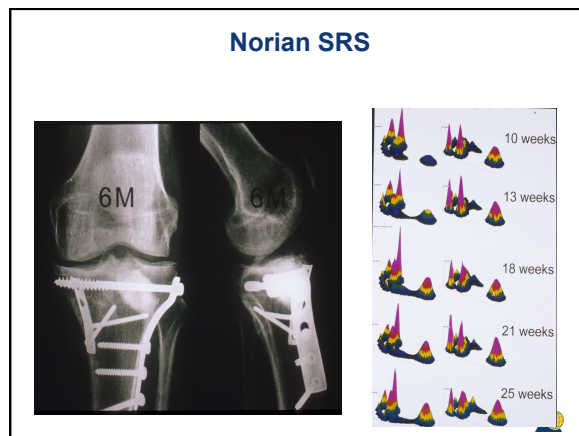
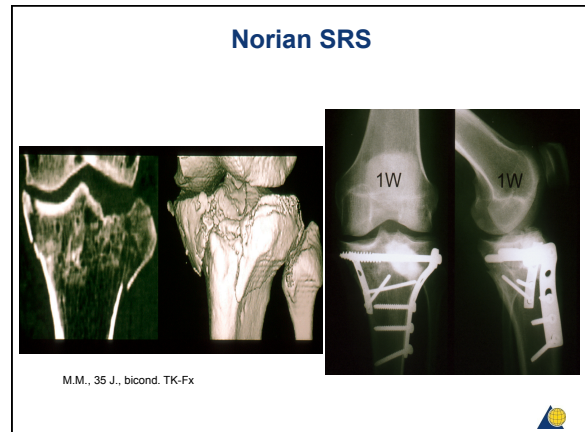
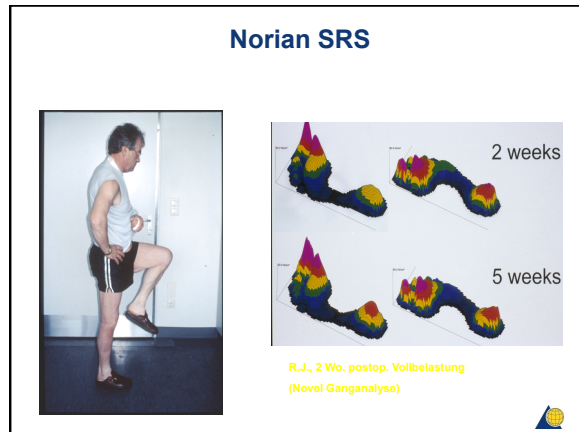
W.T., 47 J.
2 J. postop



Norian SRS



R.J., 42 J., lat. TK-Fx.



Arguments for open plating

- Surgery much easier and safer
- Unexpected findings can be addressed (large bone voids after reduction, additional fracture lines)
- Plate acts as reduction tool (compression)
- Rehabilitation time equal to MIPO
- Results equal