

Non-union fracture neck femur



Treatment
catch-22



Dr. Vinod Naneria,
Dr. Girish Yeotikar,
Dr. Shiv Kumar Yadav,
Indore, India.

Plan your treatment before you proceed?

This is "the x-ray"



This is "the x-ray"

This is "the x-ray"



Plan

A

twitter



Help

OR

Plan B



Help

Case Summary



- Mrs. S.D., 40 years, Obese, Female.
- Accident on 1 / 4 / 2001.
- Fracture neck femur with shaft left.
- Pre operative x-ray not available.
- Surgery done outside.
- Reconstruction nail + Two cancellous screw fixation done on 2 / 4 / 2001.
- Inadequate fixation?

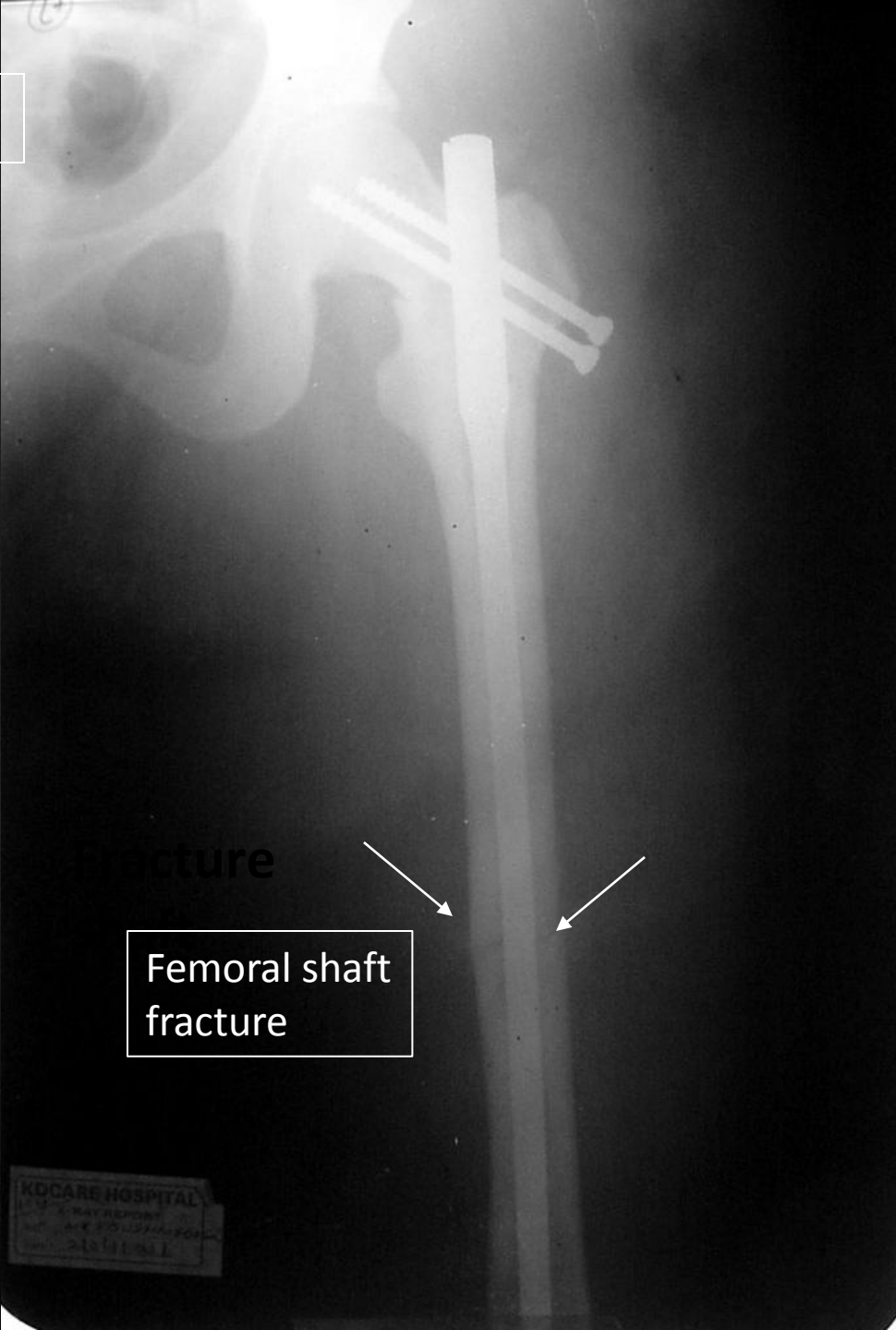
April 2001

Immediate
post operation

Fracture

Femoral shaft
fracture

KDCARE HOSPITAL
1234567890
1234567890
1234567890



Dissatisfied patient



- Persisted with pain and limitation of hip and knee movements,
- Using walking aids,
- Decided to take second opinion.
- Readjustment of Cancellous screws were done in May 2001. Washers were used to get compression at fracture site.

Readjustment of Cancellous screws May 2001



With high HOPE went to Mumbai



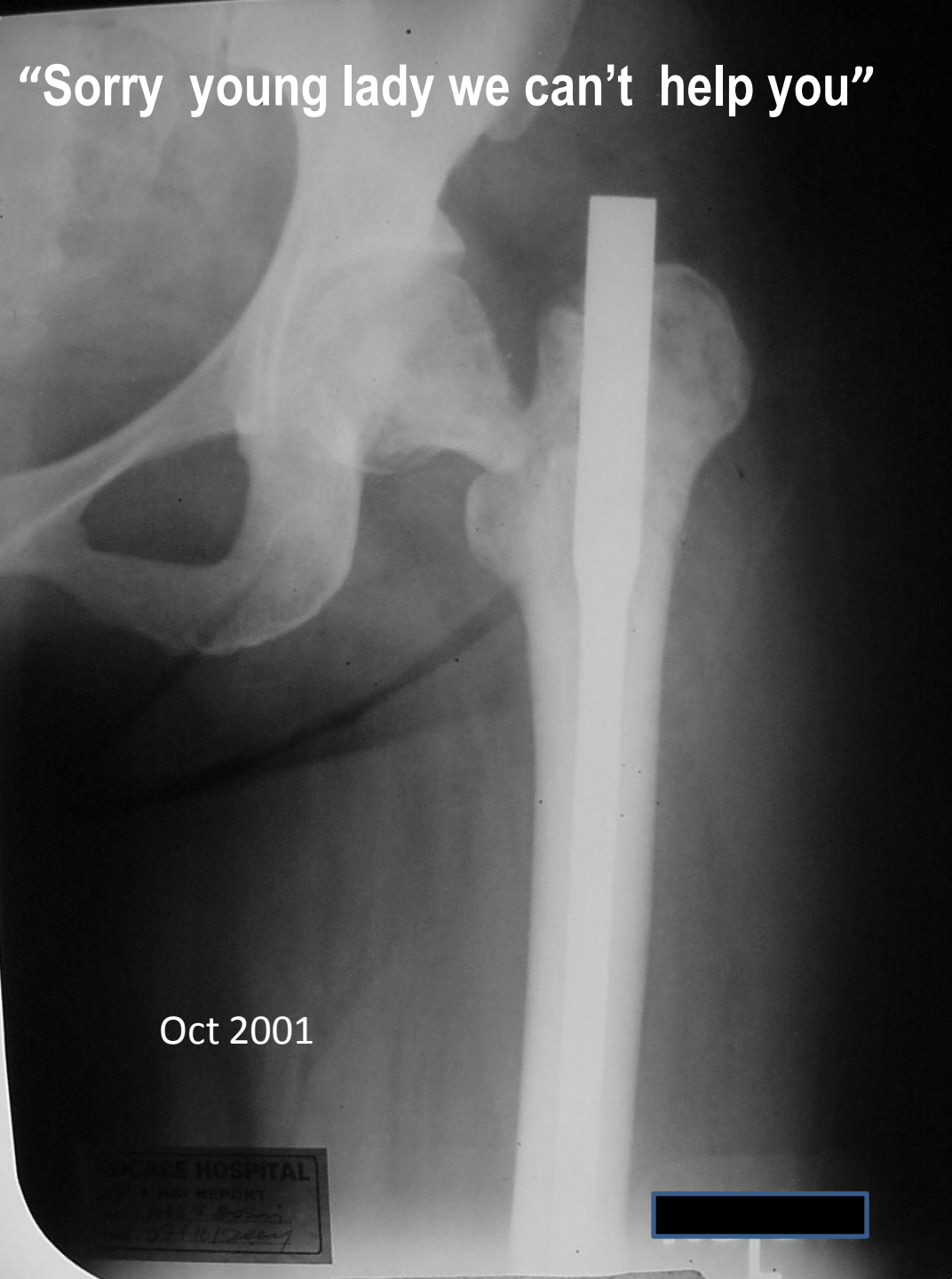


At Mumbai



Screws removed in June 2001. Pin tracts Infection Lasted for 2 months. Pt. was on BB Splint for next 3 months, waiting for some definitive surgery.

“Sorry young lady we can’t help you”



Oct 2001

After 5 months in Mumbai she returns to Indore with,

Problems:

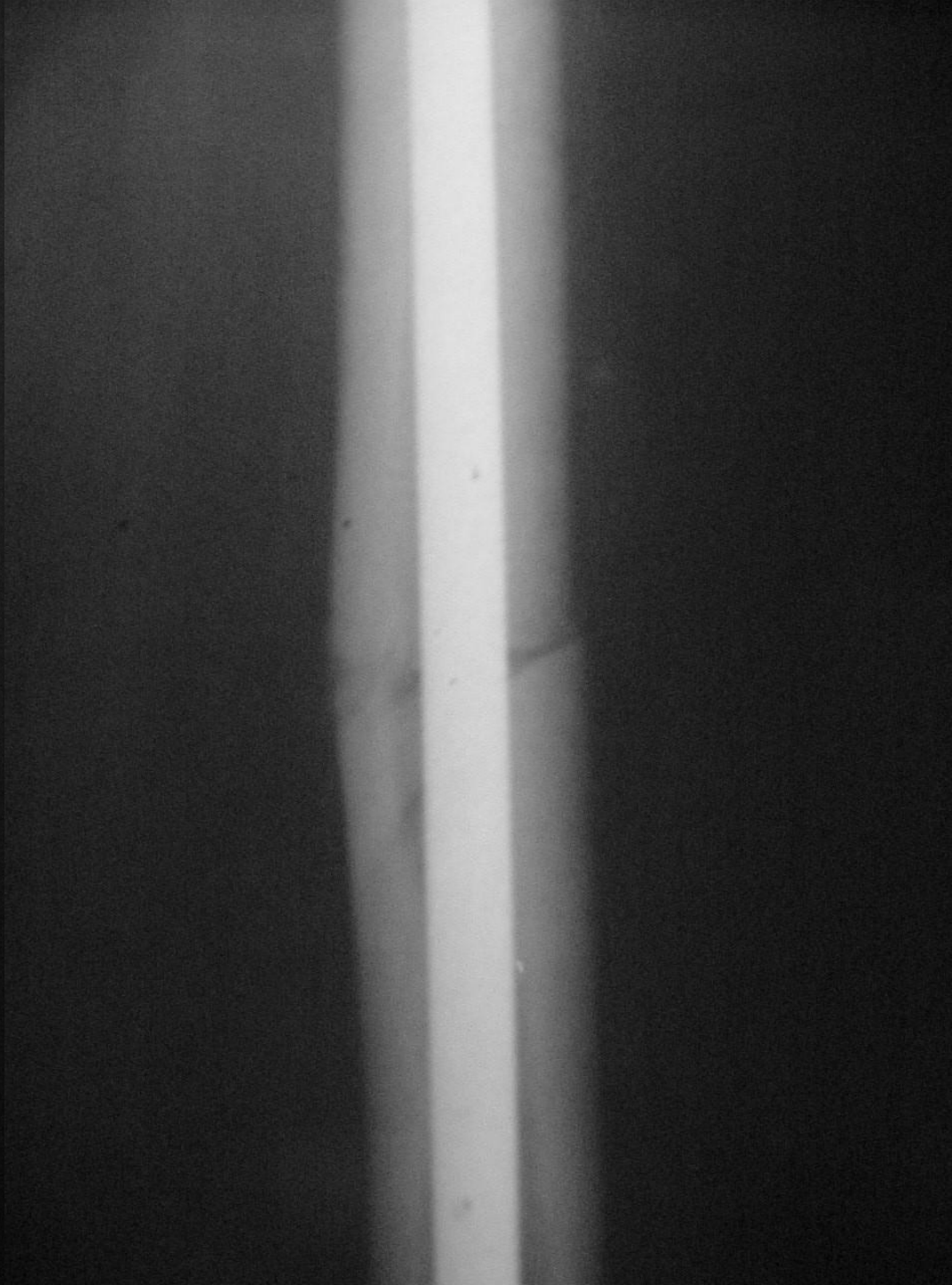
Gap Non Union

6 Months Post Accident

Doubtful Union of Shaft Femur

Limitation of hip & Knee movements

History of pin tract infection at the screws site which were draining for two months.



My Treatment Options?

- Excision arthroplasty
- Replacement arthroplasty
- ORIF+ Graft
- Osteosynthesis
- Osteosynthesis + Grafts
- Osteosynthesis + Fibula
- Osteosynthesis + osteotomy



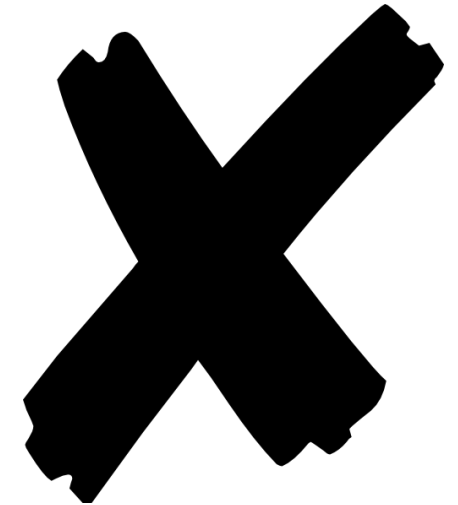
Discussion



OR



- Excision –H/o local infection -Too young
- Replacement
- Open reduction + ORIF + Graft
- Osteosynthesis + Grafts – could be
- Osteosynthesis + Fibula – could be
- Osteosynthesis + osteotomy – H/o local infection



-
- **Osteosynthesis alone**



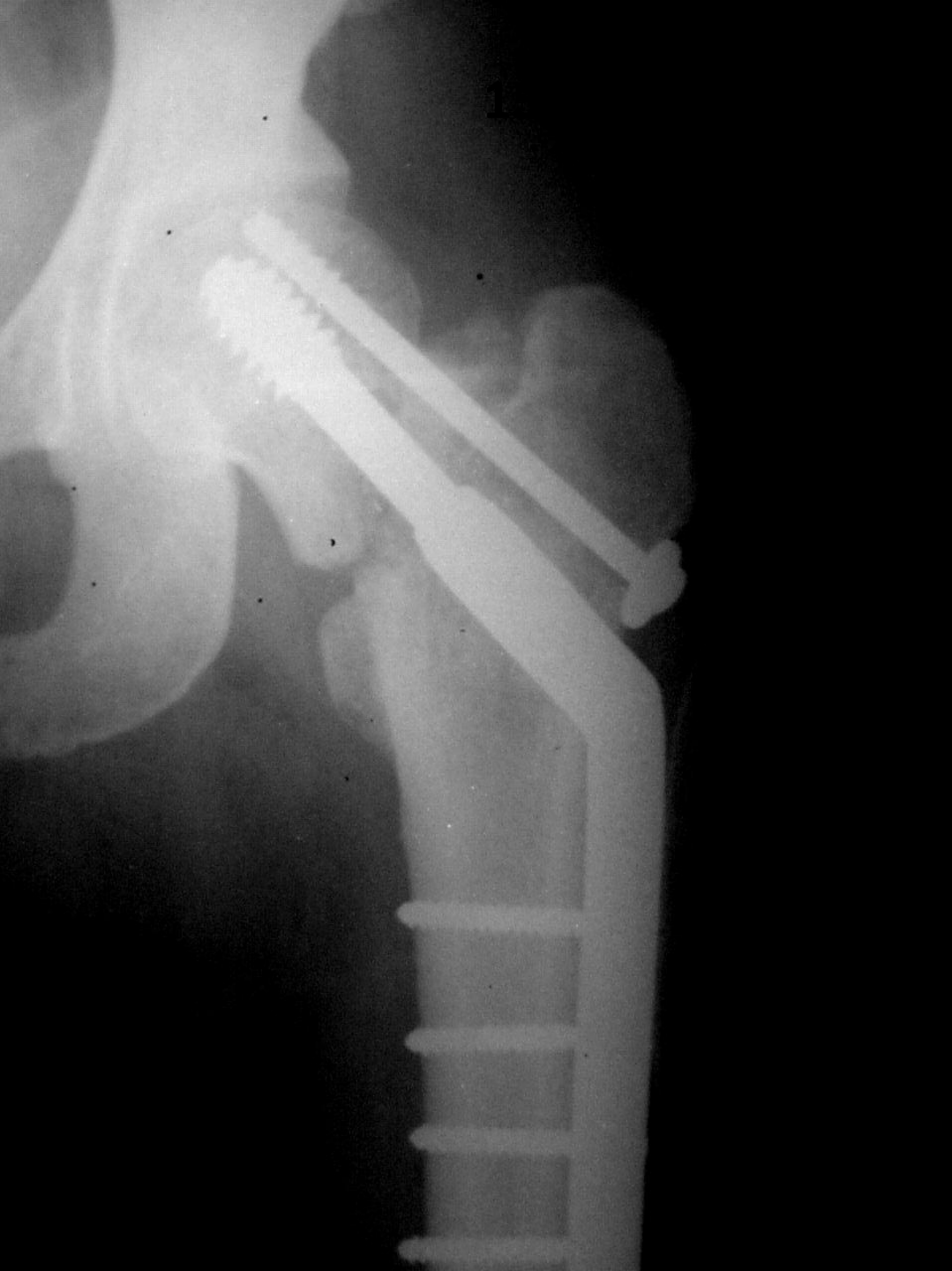
Reactivation of Infection

Failure of Fixation



Avascular Necrosis of the femoral head

More reconstructive surgeries in future



Nail removal done.

Shaft femur found stable.

No residual infection.

Two guide wires passed.

Cancellous screw passed first.

DHS passed later.

Compression at fracture site by alternate impaction and screw tightness.

Final compression by DHS screw.





Sushma
Debnath

As of Today - 2010



- Patient have No Complaints.
- No limp.
- No walking aids.
- No shortening.
- ROM at Hip full.
- ROM at Knee full.





2003

Recipe to carry home



Proper Reduction
Maximum bone to bone contact
Rigid Fixation
Compression at fracture site
Hope for the best

DISCLAIMER

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