

Jack W Moncrief MD FACP

Embedded Peritoneal Dialysis Catheter

Dialysis Access a Major Problem

Hemodialysis

YES

Peritoneal Dialysis?

Access is Critical

- **When to establish Hemo access**
Early-Late-Type
- **When to Establish PD Access**
Type-Late-OOPS (to Hemo)
- **Fistula First-good and not so good**
- **Early PD Access**
Bother-Mistake Timing-Biofilm
- **When-When-When**

Peritoneal Catheter Problems

- **Late Implantation**
- **Early Leaks**
- **Care and Tending (break-in)**
- **Infection Phase**
- **Biological Race-Healing VS Infection**
- **Foreign Body in a Fresh Surgical Wound**
- **Biofilm Formation**
- **Exit Tunnel Infection**

Henry Tenckhoff Cather

U of Wash. - Schribner, Quinton, Babb

Robert P. Popivich, PHD

IPD Failure-Slow-Impractical-Expensive

Skin



Rectus

Peritoneum



Embedded Peritoneal Catheter

- **What is it?**
- **External segment placed Subcutaneous**
- **No exit site**
- **Exteriorized at later date**
- **Sub Q. time =healing phase**
- **Time? 3—4--6--52—104 weeks**

Distal Segment Subcutaneous

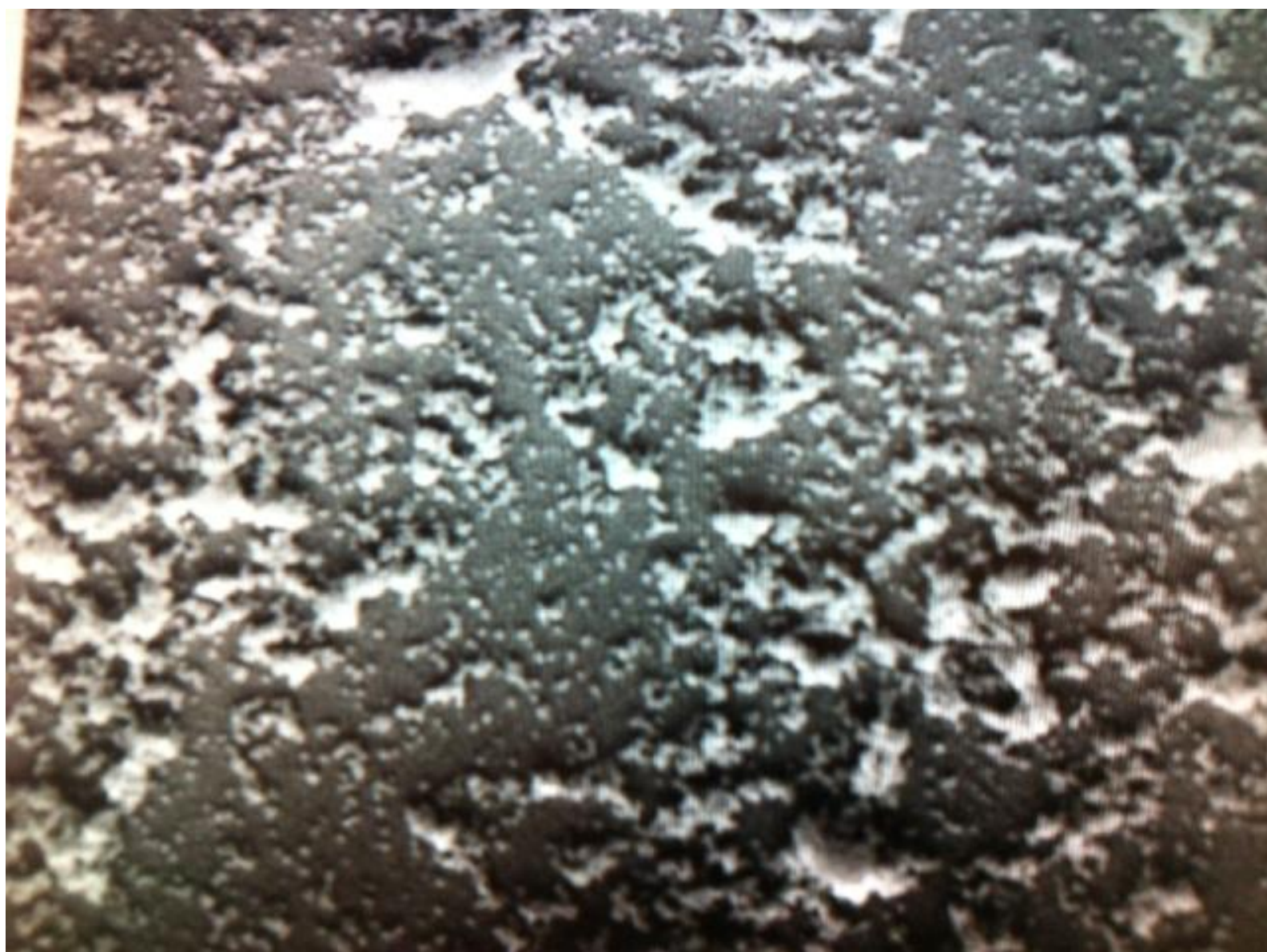
- **Early-6 To 24 weeks**
- **Wound Tensile Strength-improves to 6 weeks**
- **Skin Best Bandage**
- **No Biofilm**
- **Exit Site Contaminated-Always**
- **PD Cath Cuff Function**
- **Exit Site infection 1 each 108 Pt. Months**
- **No Tunnel infections**
- **Peritonitis 1 each 53 Pt. Months**
- **Obstruction at Exteriorization**

Embedded/Subcutaneous Catheter

- **No Primary Exit sight During Healing Phase**
- **Closed Wound-Skin The Best Bandage**
- **Early Creation-“The AV Fistula of PD Access”**

DR. M.K Desgupta

- **No Biofilm**
- **No Leaks**
- **Reduced Exit Infections**
- **Clearing of Obstruction**



Problems of Subcutaneous Peritoneal Dialysis Catheter

- **Implant to Early-How Early**
- **Two Surgeries**
- **Damage To Catheter at Time of Exteriorization**
- **Dialysis During Waiting Time**
- **Removal at Transplant? Need For Dialysis?**

Conclusion

- **Easier- Staff and Patients**
- **Easier to commit to PD**
- **Fewer Hassles'**
- **Reduced exit site problems**
- **New surgical technique**
- **Two Surgeries**

Conclusions

- **Easier**
- **Relaxed**
- **Less Stressful**

