Teledialysis: From project to an integral part of the renal service

Eli Arild
Teledialysis today

- Practical and medical issues
- Problem solving
- Rounds (doctors/nurses)
- Other specialists if needed
- Distance education
UNN: all satellites have videoconference today

Finnmark 75,000 innh

Troms 156,000 innh

Kirkenes and Vadsø 900 km
Hammerfest 550 km
Alta 400 km
Narvik 240 km
Finnsnes 160 km

R. Johansen, Dialysen, Tromsø
The teledialysis project

- 2000-2002
- UNN: The renal department and NST
  - Alta helsesenter
  - Hammerfest sykehus
Funding
"The possibility to see each other, is much better than a phone call. We get a feeling of closeness, togetherness and presence via the screen. It’s also meaningful for us to support the staff outside the hospital and collaborate with them."
Risks

- Busy days
- Changing of routines when necessary
- Technology
- User instructions and superuser
- Technical contact person
- Motivation
- Funding
Technology used

- IP based Videoconference
- Ultrasound
- Electronic stethoscope
- Electronic patient record
- Dialysis machine program for transfer of dialysis data

Today:

Videoconference
Legal and regulatory issues
General recommendations

• Plans and routines
• Keep it simple as possible
• Legal and security issues
• Technical support
• Training
• Follow up
Homedialysis
never
never
never
never
give
up

(winston churchill)
• Telemedicine in haemodialysis: a University Department and two remote satellites linked together as one common workplace». J of Telemed and Telecare 2005; 11: 251-255
• Teledialysis – experiences from North Norway (NST rapport, august 2007)
• Choosing to live with home dialysis - patients' experiences and potential for telemedicine support: A qualitative study. BMC Nephrology 2012, 13:13
• Norway teaches NHS Highlands how it’s done in the snow http://www.kidney.org.uk/k_life/kl_winter10.pdf
• Kartlegge behov for nye telemedisinske løsninger hjem til nyresviktpasienter (InnoMed rapport, januar 2009)
• Nye telemedisinske tjenester til hjemmedialysepasienter – NyTTeHjem (NST rapport, mars 2012)
• You Tube: www.youtube.com/watch?v=hmfJCqwzzcQ