

# Så gjorde vi förr....

Hans Blomqvist  
Överläkare, Docent  
Karolinska sjukhuset

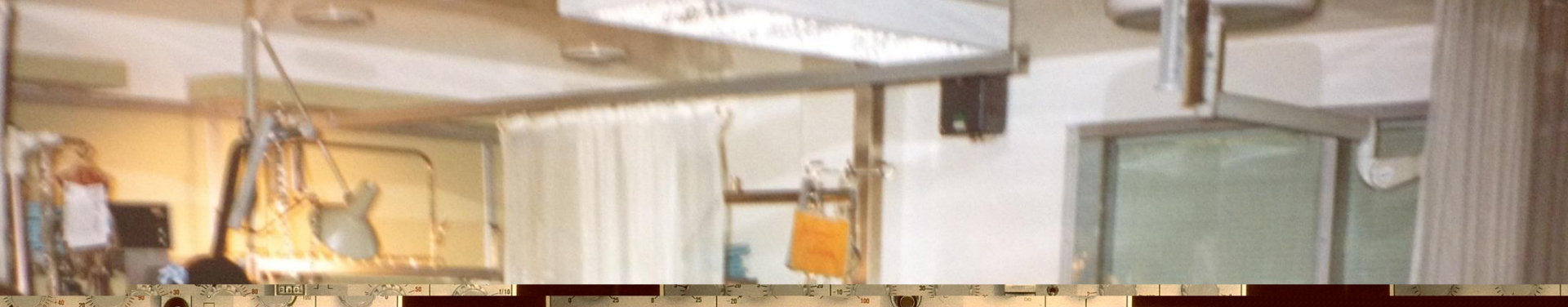
# Arbetsätt









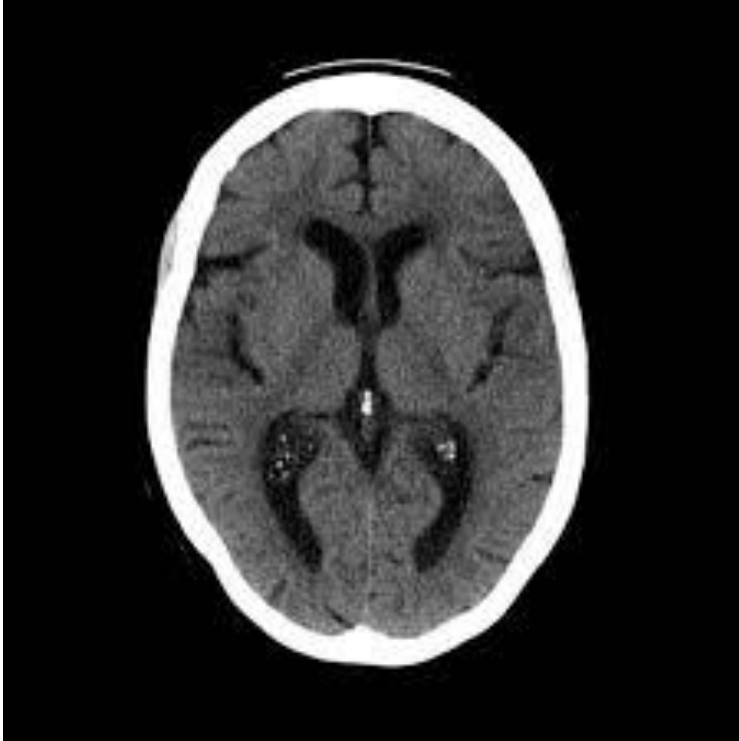


# Övervakning / Cirkulation





# CNS





# Respiration









SERVO VENTILATOR 900B  
SIEMENS-ELEMA SWEDEN



EXPIRED MINUTE VOLUME



AIRWAY PRESSURE



BREATHS/min



INSP. TIME %



PAUSE TIME %



OFF (2min)

PRESET INSP.  
MINUTE VOLUME  
l/min

MAX. EXP. FLOW  
l/min

SIGH

I.M.V.

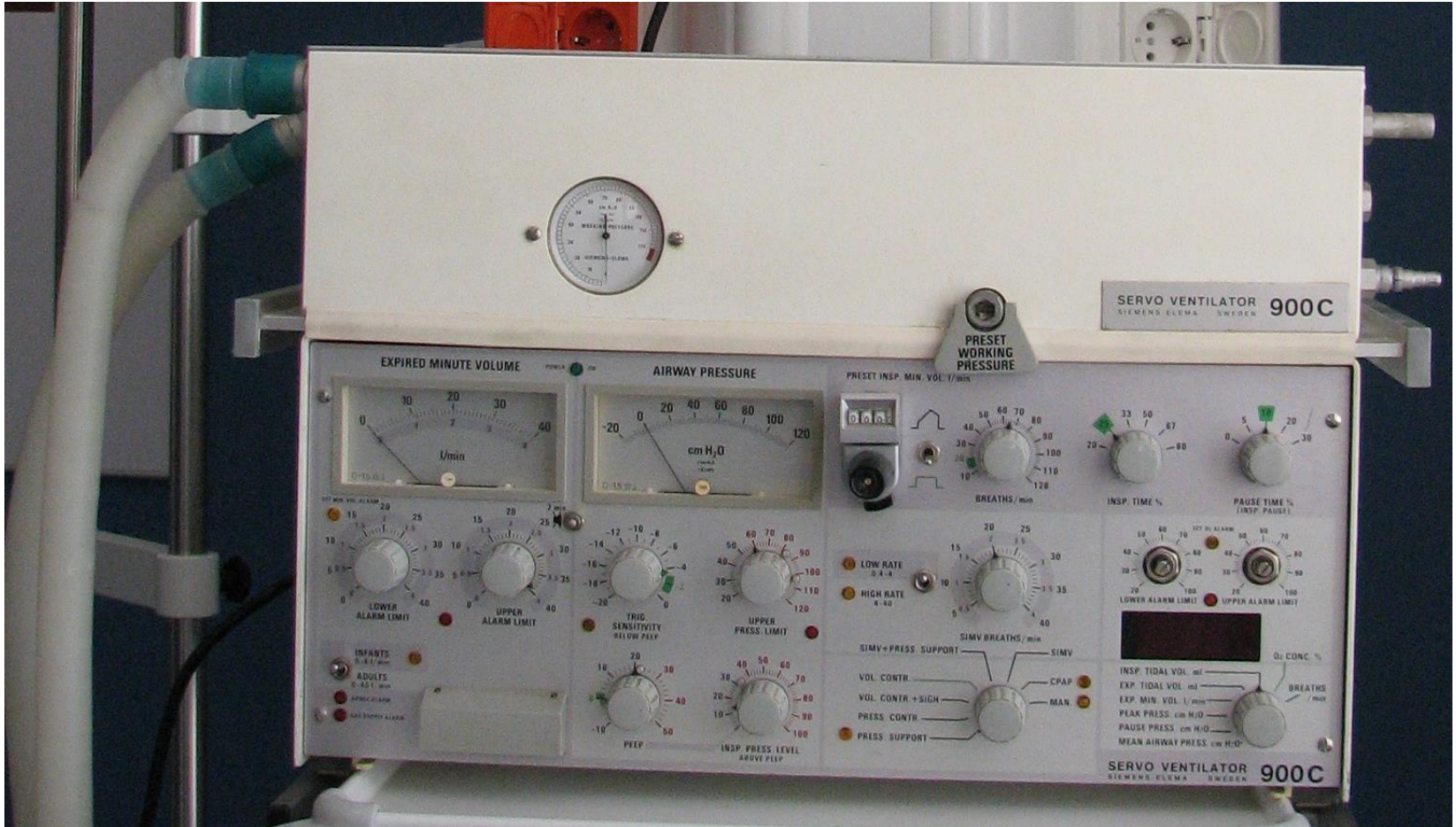
ON OFF 1/2 1/5



Riddhälls Sällsamska Medicinhistoriska Sällskapet









- Adult
- Pediatric
- Neonate

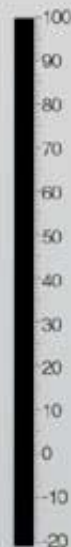
Airway press.  
cm H<sub>2</sub>O

Peak

Mean

Pause

End exp.



• Upper press. limit



• Pressure Control

Level above PEEP



• Pressure Support

Level above PEEP



• PEEP



• Trig. sensitivity



• Mains • Press. Reg. Vol. Control/Support

• Volume Control/Support

• Pressure Control/Support

• Stand by

• Ventilator off

• Battery charging

Volume Support

• SIMV (Vol. Contr.)

• Pressure Support

• SIMV (Press. Contr.)

• Pressure Support

• Pressure Support/CPAP

• Optional

• O<sub>2</sub> conc. %

• Oxygen breath running

• Oxygen breathe

• Start breath

Automode

• On

• Off

• Support

Resp. pattern • CMV freq. b/min

Measured freq. b/min

Set freq. b/min

Insp. period s

Insp. flow l/s

• Insp. time %

• Pause time %

• Insp. rise time %

• SIMV freq. b/min

Volume

Tidal vol. ml

Minute vol. l/min

Insp. tidal vol. ml

Exp. tidal vol. ml

Exp. minute vol. l/min

l/min

• Volume

• Alarm limits

• Neonate 1/10

Upper alarm limit

Lower alarm limit

• Alarm limits

• Neonate 1/10

Upper alarm limit

Lower alarm limit

Alarms and messages

• Airway Pressure

• O<sub>2</sub> concentration

• Exp. minute volume

• Apnea

• Gas supply

• Battery

• Technical

Reset

2 min

Pause hold

Insp.

Exp.

CAUTION

In the Servo Ventilator 300, flow measurements and all preset and indicated volumes are referenced to standard pressure (1013 mbar, 760 mm Hg). For reference of flow and volumes to ambient pressure refer to corresponding information in the Reference Manual section Control Panel.

SIEMENS

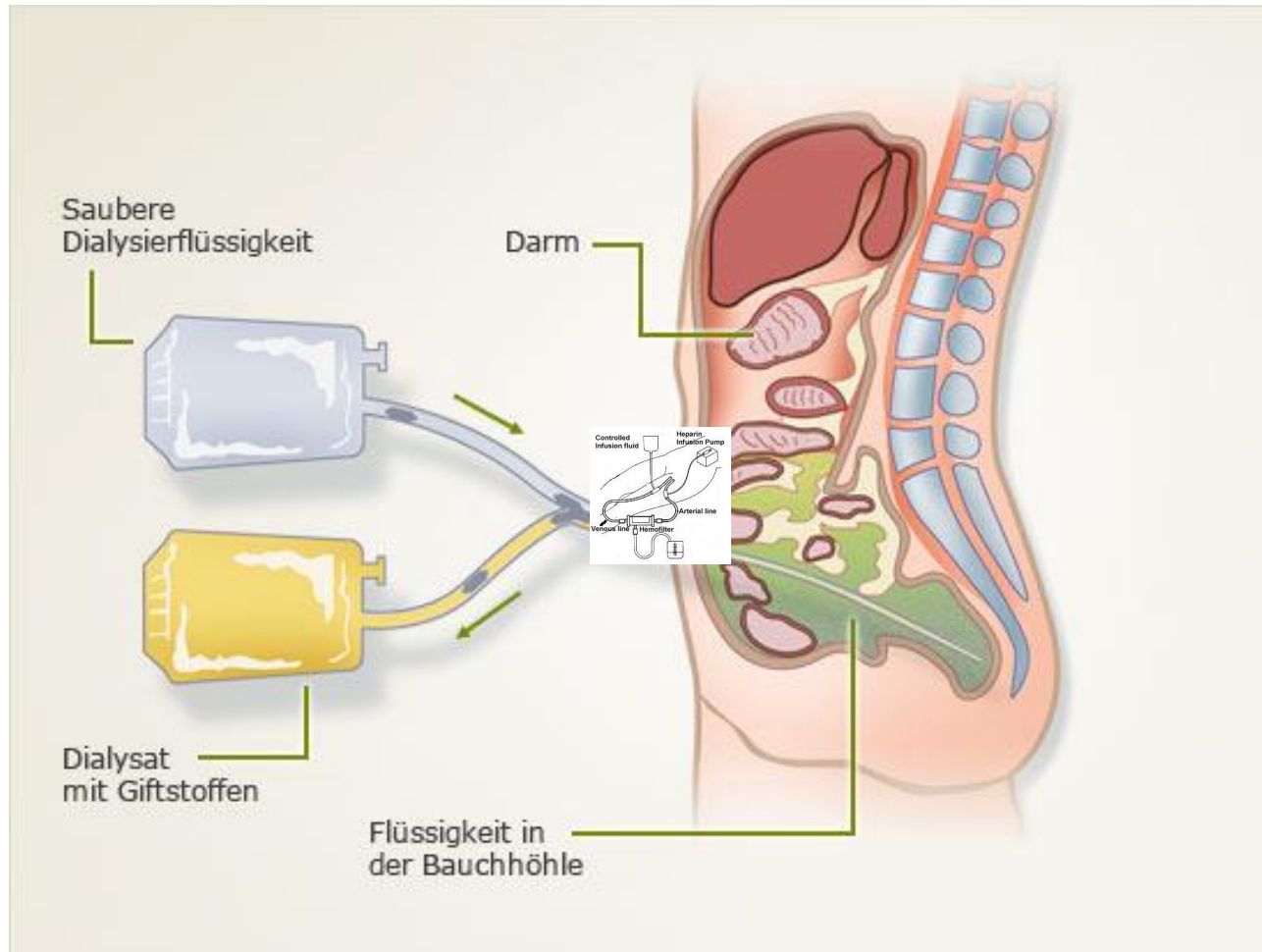
Servo Ventilator 300A

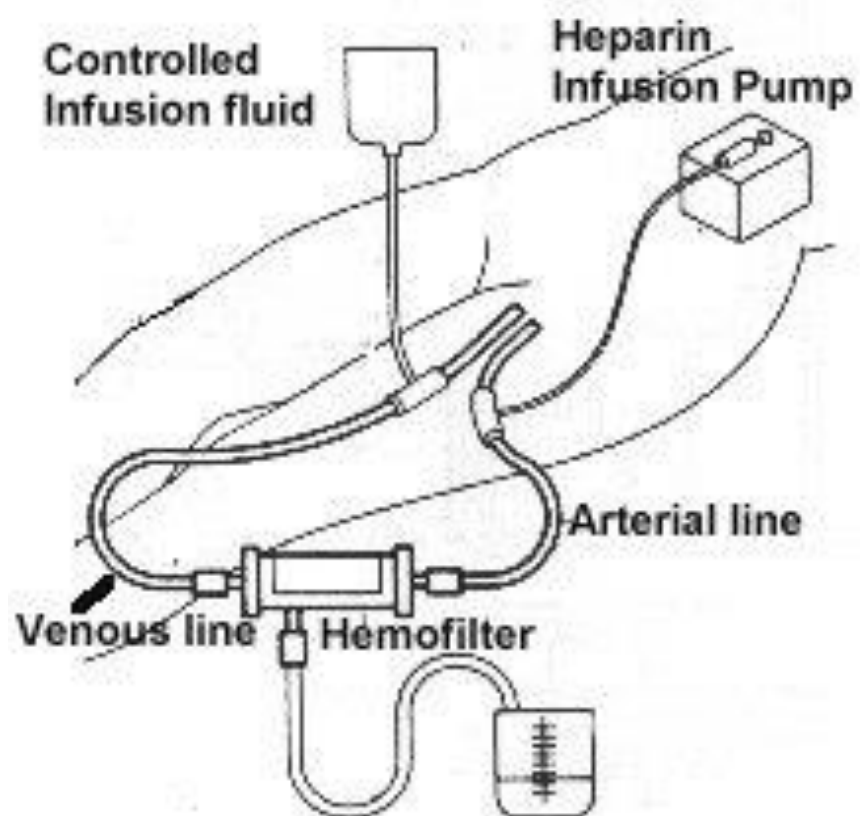


# Njure











## Diagnoser som fanns.....

- Intoxikationer
- Mässlingsencefalit
- Barn-epiglottit
- Status asthmaticus
- Pancreatiter
- AIDS





# Etiken

Enklare och snabbare....

- Ringa anhörigekrav
- Medicinska resurstillgången begränsad

SIR...

# Pro and cons...

## PRO

- Utrustning / läkemedel s utveckling
- Säkerhetstänket
- Anhörigomhändertagande
- Introduktion och utbildning

## CONS

- Administrativa rutiner / reglerad tillvaro
- Etiken
- MRB
- Subspecialiseringen



[hans.blomqvist@karolinska.se](mailto:hans.blomqvist@karolinska.se)