

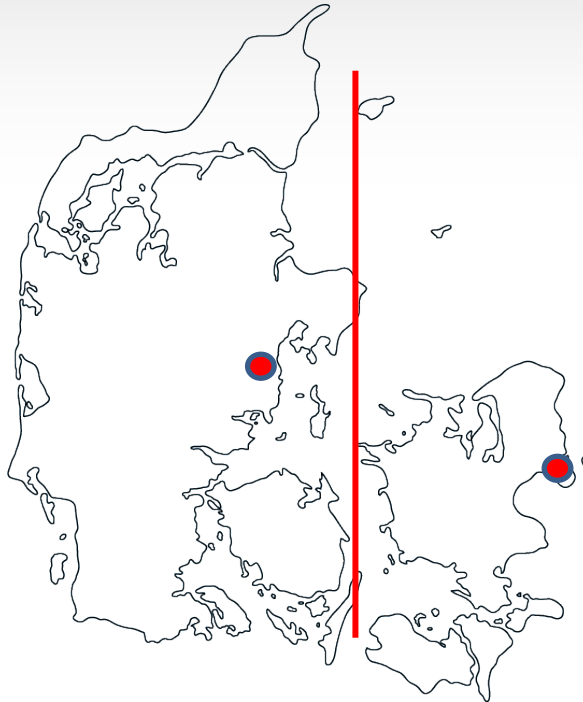
# ECMO in Denmark

## Brief overview

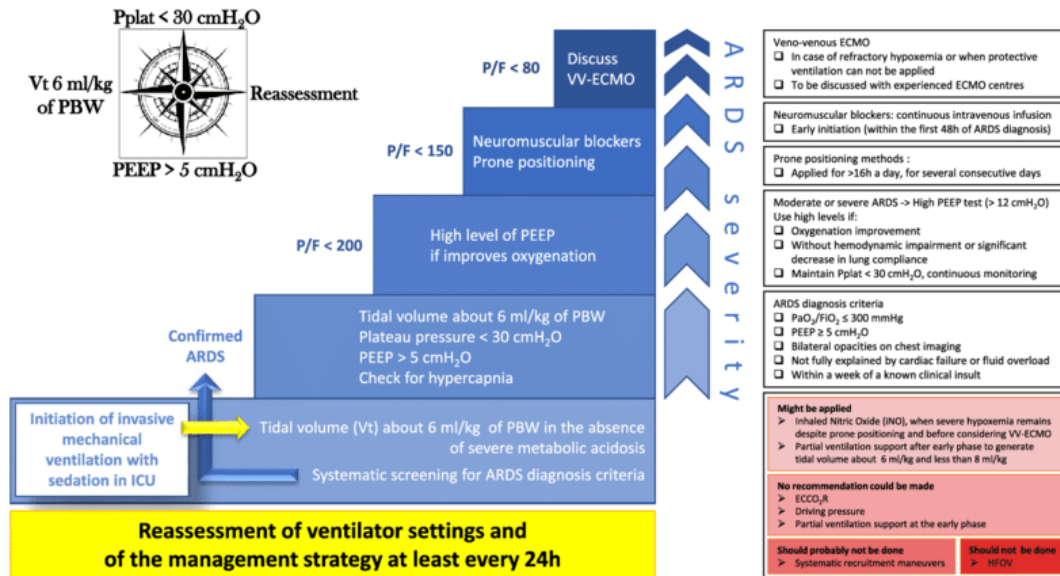


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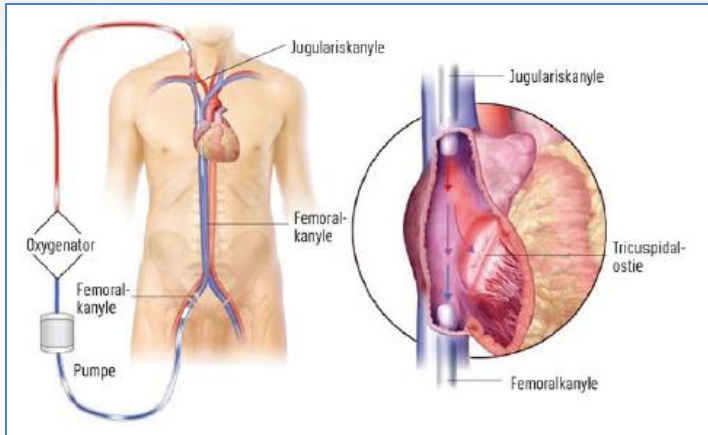
# Optageområde



# Early management of ARDS in 2019



# VV-ECMO



	VV-ECMO	ECCO <sub>2</sub> R
Catheter (fr)	19-23	13 -
Blood flow	4000-5000 ml/min	350-450 ml/min
Anticoagulation (APTT)	40-50 (?)	30-40 (?)

# Indikation for ECMO

- Reversibilitet
- Intuberede ptt. < 8 dages MV
- Trods optimal ARDS behandling:
  - $\text{PaO}_2/\text{FiO}_2 < 10 \text{ kPa} > 6 \text{ timer}$
  - $\text{PaO}_2/\text{FiO}_2 < 7 \text{ kPa} > 3 \text{ timer}$
  - $\text{pH} < 7.25$  og  $\text{PCO}_2 > 8 \text{ kPa} > 6 \text{ timer}$
- Resp score  $\geq -1$
- Svær bronkopleural fistel



# (relative) kontraindikationer

- Terminal sygdom
- Kronisk organdysfunktion
- Svær immunsuppression (neutropeni)
- Alder > 65 år (70 år)(?)
- Svær adipositas (BMI >40 (?))
- Kontraindikation mod antikoagulation



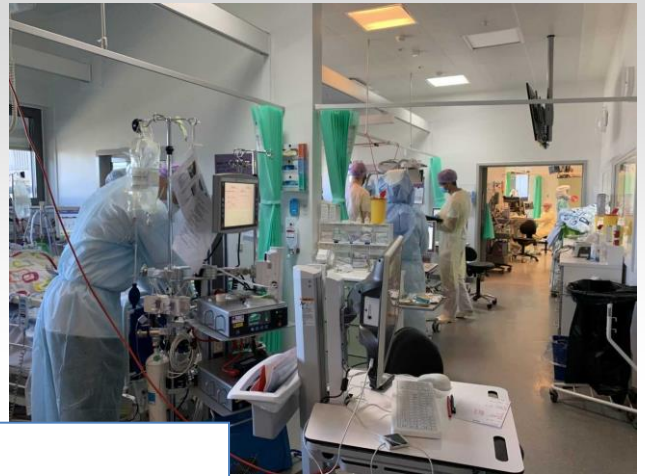
ÅR	Number (RH,AUH)	AGE median	MEN %	BMI Median (range)	DAYS on MV before ECMO Median (range)	ECMO (Days)	Weaned %	ICU survival %
2016	25	49 (27;68)	64	25 (20;49)	3 (0;17)	9 (2;33)	64	60
2017	14	51 (19;71)	57	25 (21;38)	3 (0;15)	8 (6;22)	79	79
2018	21 (3,18)	47 (26;64)	43	26 (20;48)	2 (0;18)	6 (1;35)	67	57
2019	26 (11,15)	55 (26;74)	62	29 (22;51)	1 (0;19)	9 (0;25)	69	58
2020	44 (33;11)	55 (27;68)	73	28 (21;44)	3 (0;16)	9 (0;107)	61	42
2021	39 (29,10)	50 (25;66)	68	27 (20;43)	3 (0;15)	16 (4;26)	57	46

AGE ( years)	AGE, median (range)	Weaned %	ICU survival %
< 60 (n=127)	47 (19;60)	66	56
< 60 non-COVID (n=78)	46 (19;60)	73	71
< 60 , COVID (n=49)	50 (26;60)	59	46
> 60 år (n=42)	64 (61;74)	48	36
> 60 år , non-COVID (n=25)	64 (61;72)	64	48
> 60 år COVID (n=17)	63 (61;67)	41	24



# Days of MV before ECMO

COVID/time	Time of MV before ECMO	Weaned	ICU survival
< 7 days, non-COVID N=96	2 (0;7)	73%	63%
< 7 days COVID N=49	3 (0;6)	59%	47%
> 7 days, non-COVID N=9	14 (7;19)	44%	33%
> 7 days + COVID N=14	11 (7;16)	38%	23%



# TAK

