Linköpings Endoskopi Dagar 2023

Endoskopiutbildning i Sverige West meets East

Shuichi Miyamoto

Centralsjukhuset Karlstad

Topics

1, What is the problem of training in Sweden?

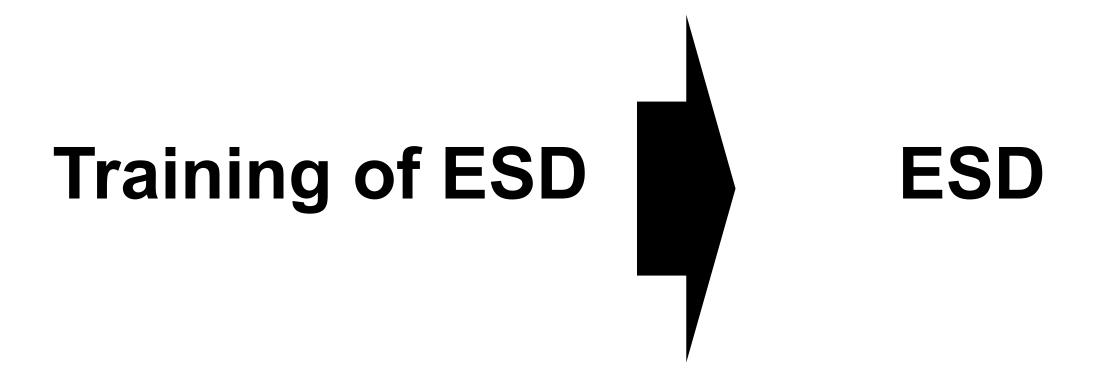
2, Learning the basic techniques of endoscopy through EMR.

Karlstad

(June 2021 ~ May 2023)

118 ESD cases / 2 years
3 trainees

First plan



How to keep stable viewing?

How to use the small wheel??

How to control the knife by myself???

Basic technique!!!

Modified plan

Improvement of basic techniques (EMR, Biopsy, etc.)



Karlstad

ESD trainee

ST-läkare

Education

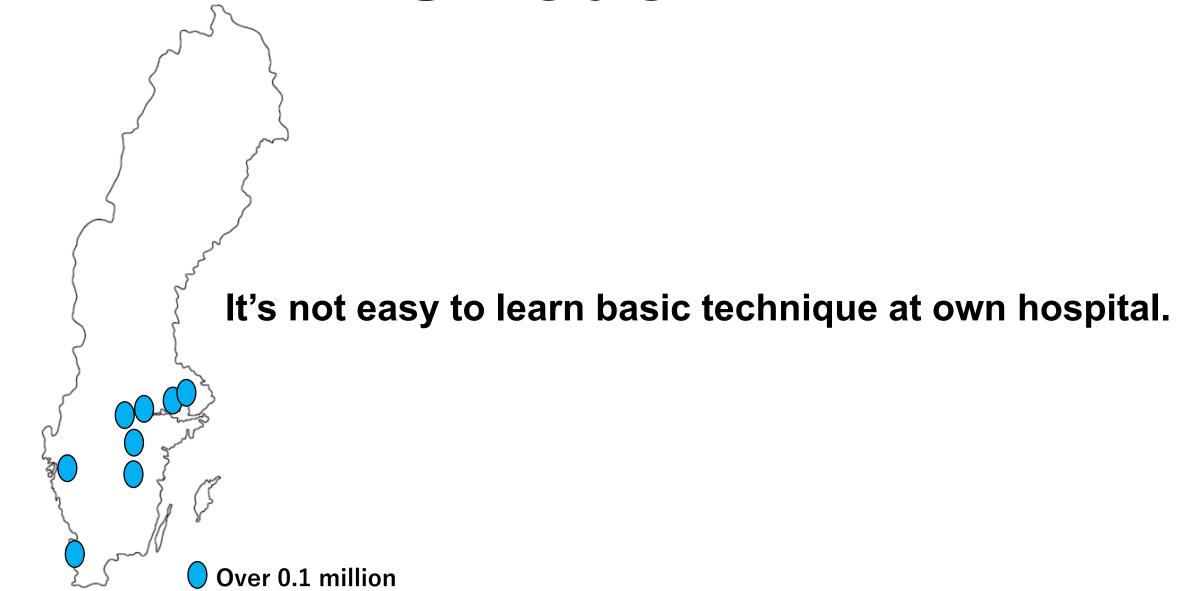
Other endoscopist (Gastroenterologist, Surgeon)

Endoscopic nurse trainee

How can we get good basic technique?



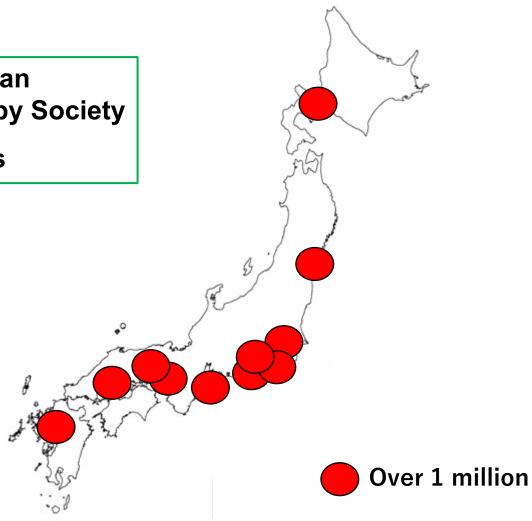
Sweden



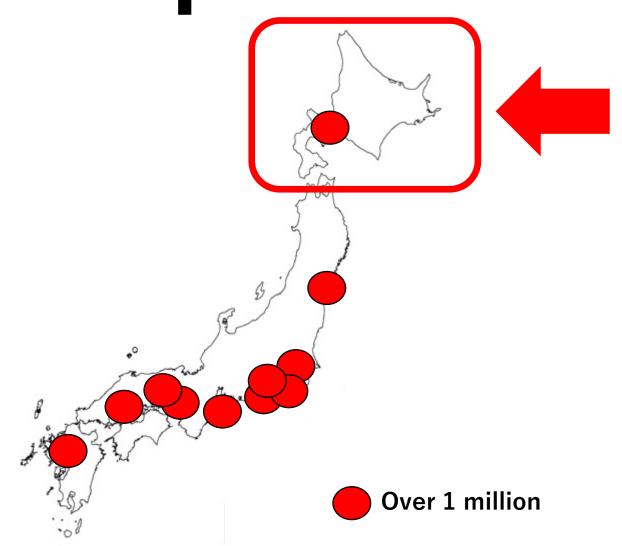
Japan

Certified Fellow of Japan Gastroenterological Endoscopy Society

20.000 specialists

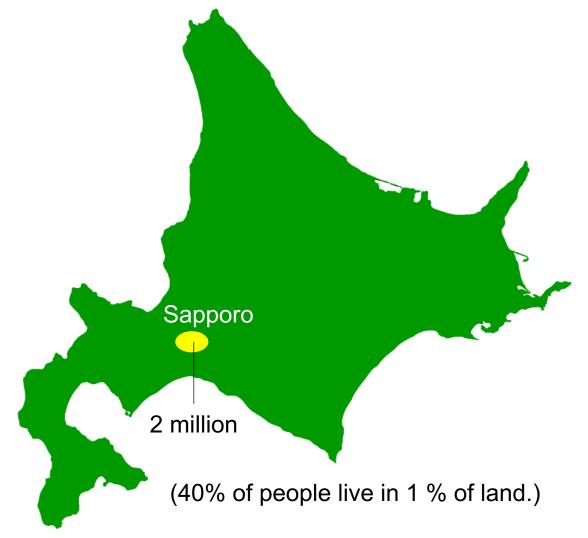


Japan



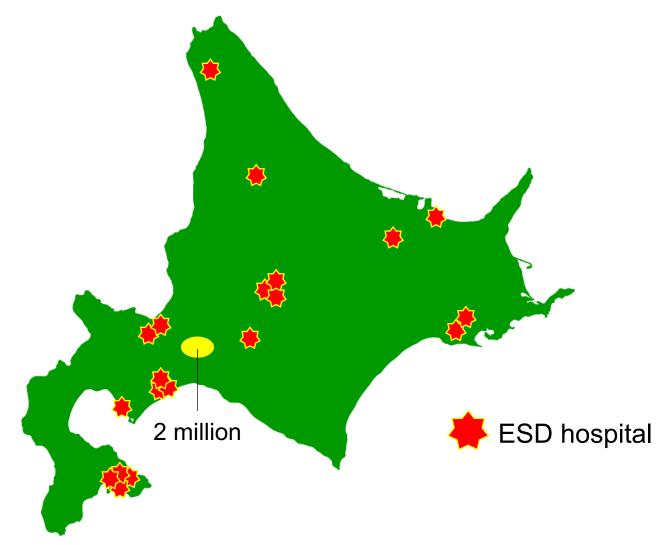
Hokkaido

(Population: 5 million)



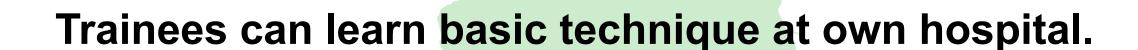
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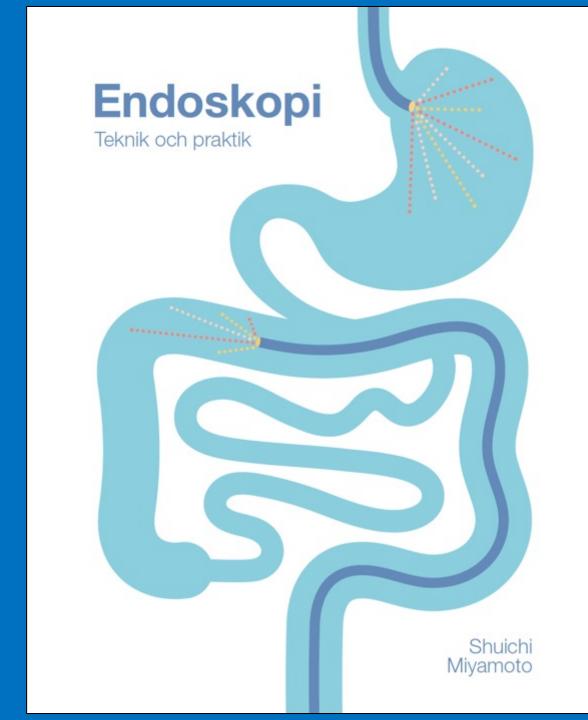
Learning materials

✓ Many Japanese educational endoscopy books and videos.

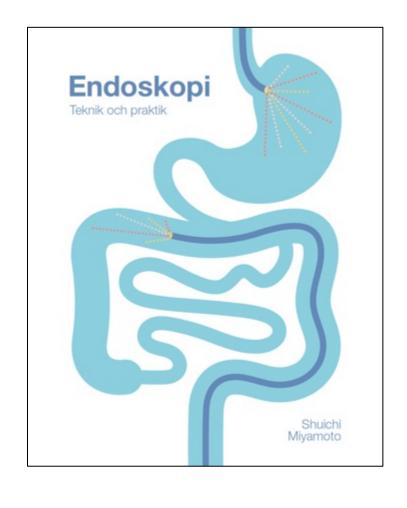


Swedish learning materials

May 2023



Sweden



✓ First Swedish endoscopy book!

Swedish style!!!

✓ To learn basic technique! (Gastroscopy and Colonoscopy)

✓ Complimentary book!





https://www.tillotts.se/halso-och-sjukvardspersonal/bestall-material/

Så här håller du endoskopet med höger hand

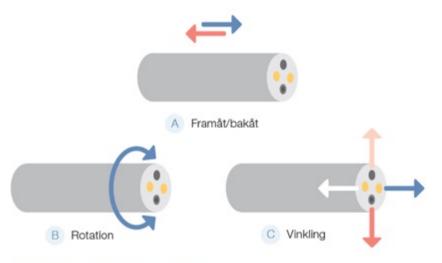
Endoskopet ska hållas ungefär 15-20 cm från patientens mun. Avståndet måste justeras kontinuerligt under ingreppet för att hållas konstant.

Endoskopet ska fattas med ett lätt grepp i höger hand. Om greppet blir för hårt blir det svårt att överföra kraften från vänsterarmen till endoskopets spets.





GASTROSKOPI Så här styr du endoskopet

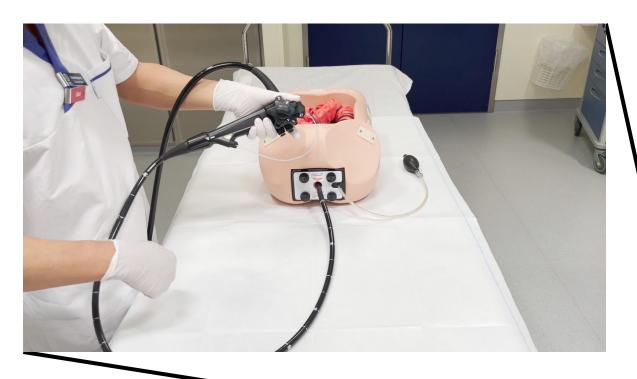


Endoskopets rörelser

För att kunna styra endoskopet måste endoskopisten först och främst förstå de bakomliggande mekanismerna som ligger till grund för dess rörelser. I huvudsak handlar det om tre rörelseriktningar: framåt/bakåt, rotation och vinkling. Endoskopet kan styras med precision genom en kombination av dessa tre rörelser.



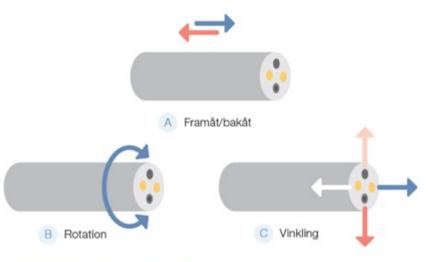
Video





GASTROSKOPI

Så här styr du endoskopet



Endoskopets rörelser

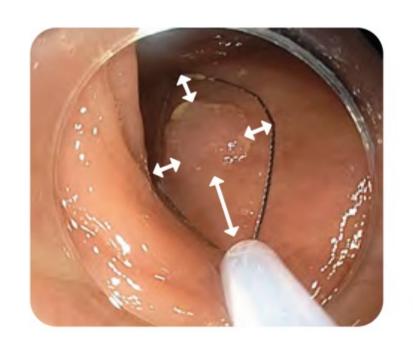
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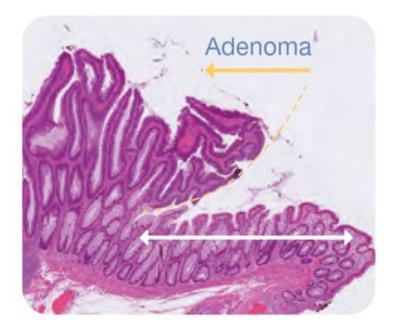
2. Learning the basic techniques of endoscopy through EMR.

Correct EMR/Polypectomy

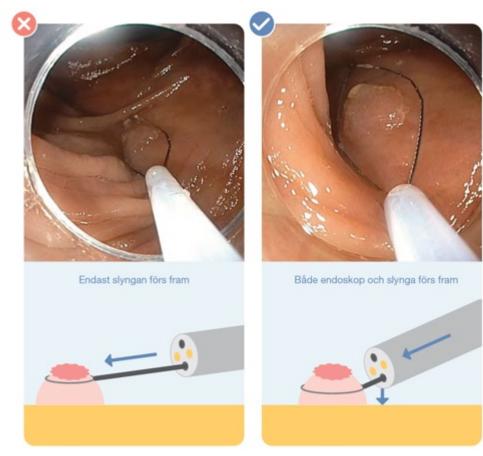
We have to resect the target with margin for radical resection.



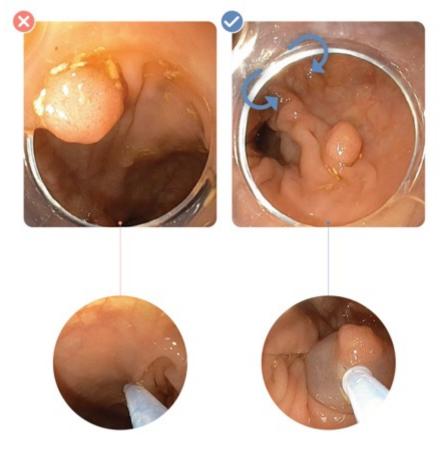




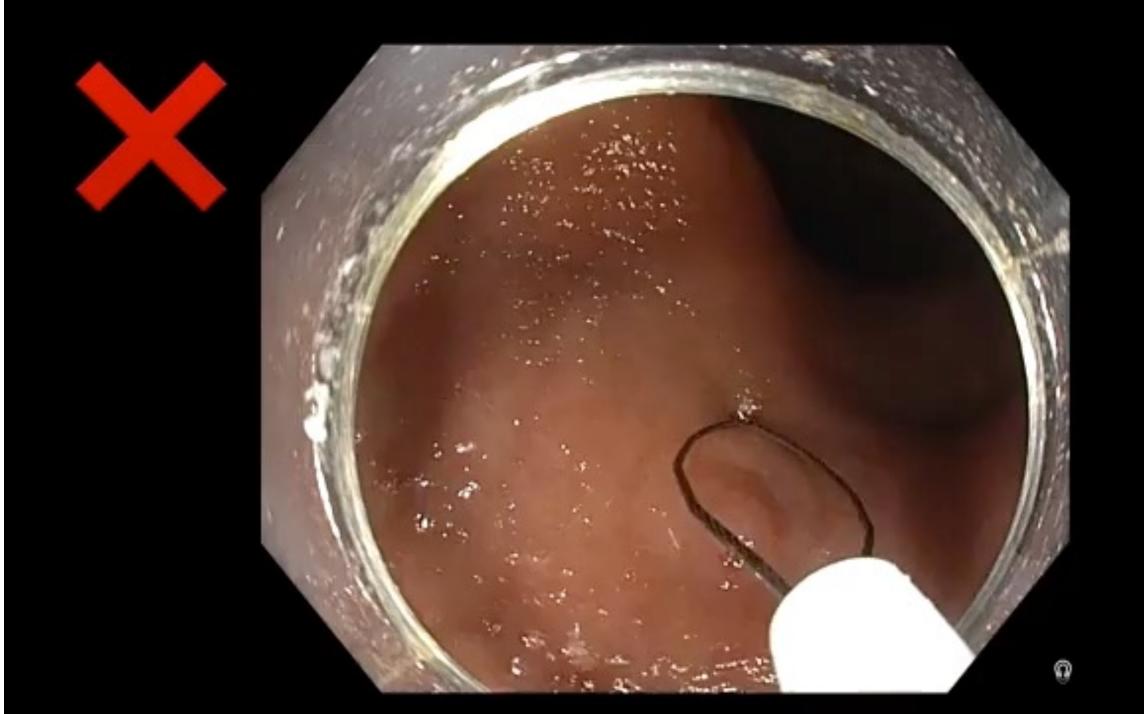
We have to keep watching the margin during snaring.

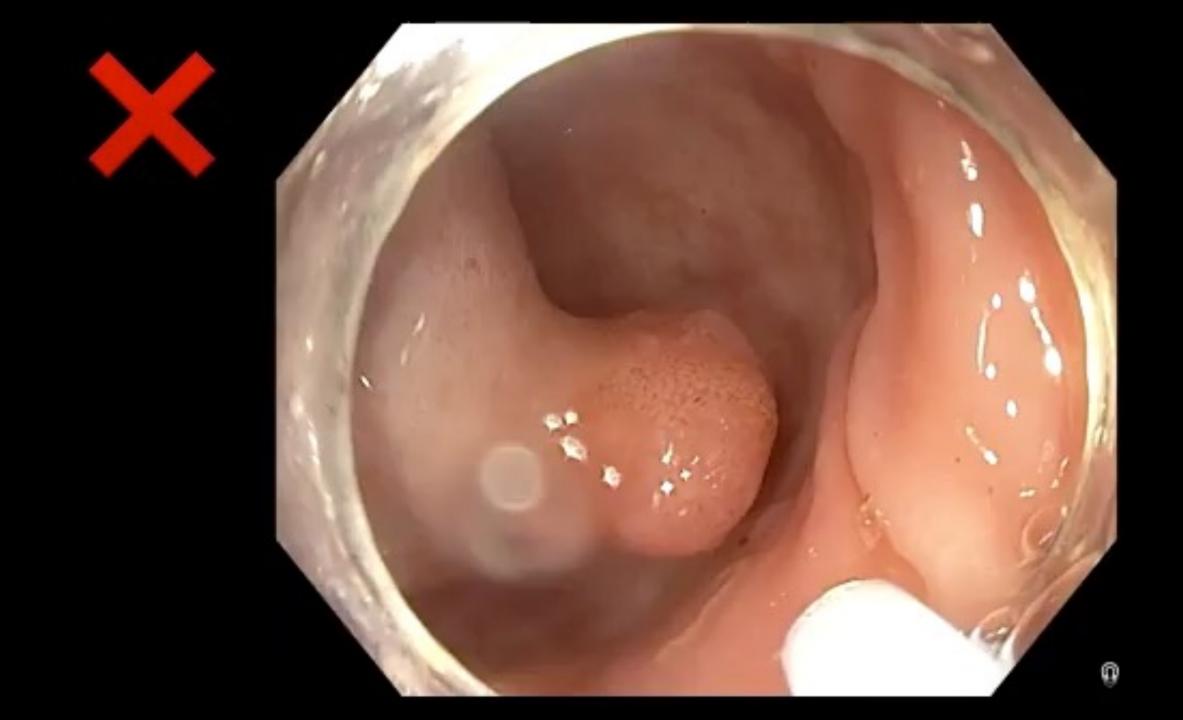


<Keep close viewing>



<Place the target on 6 o'clock>





Basic techniques for EMR

1, How to control the snare/injection-needle by myself.

2, How to rotate the endoscopy by left arm.

3, How to control big and small wheel simultaneously.



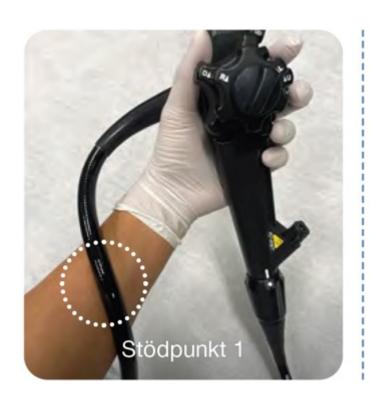




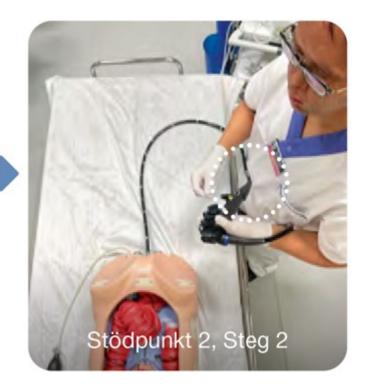


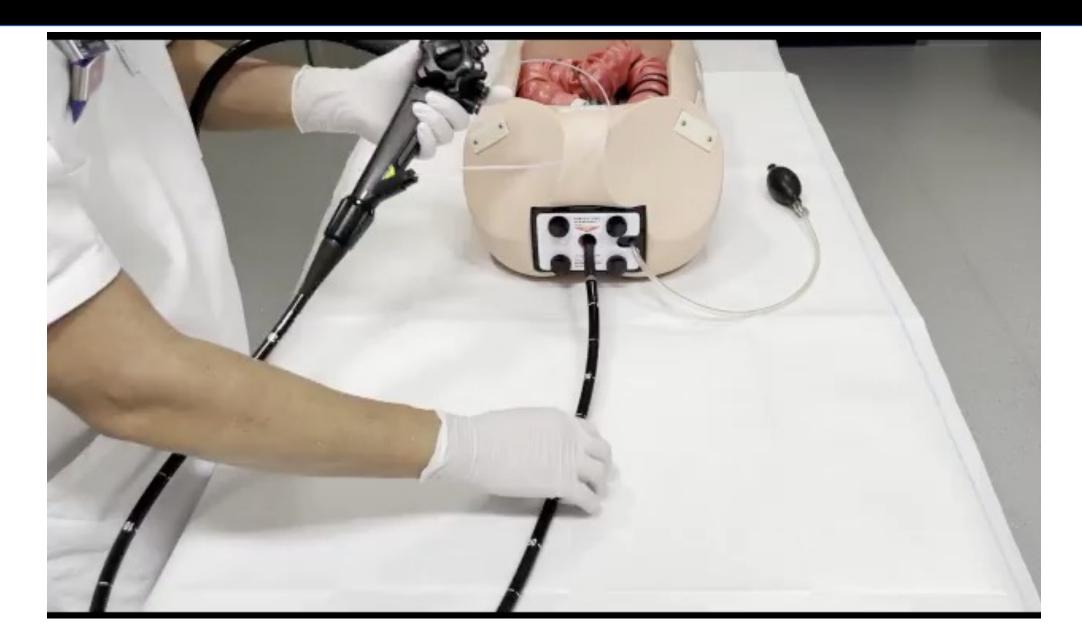


Extra supportive points to get stability!!!

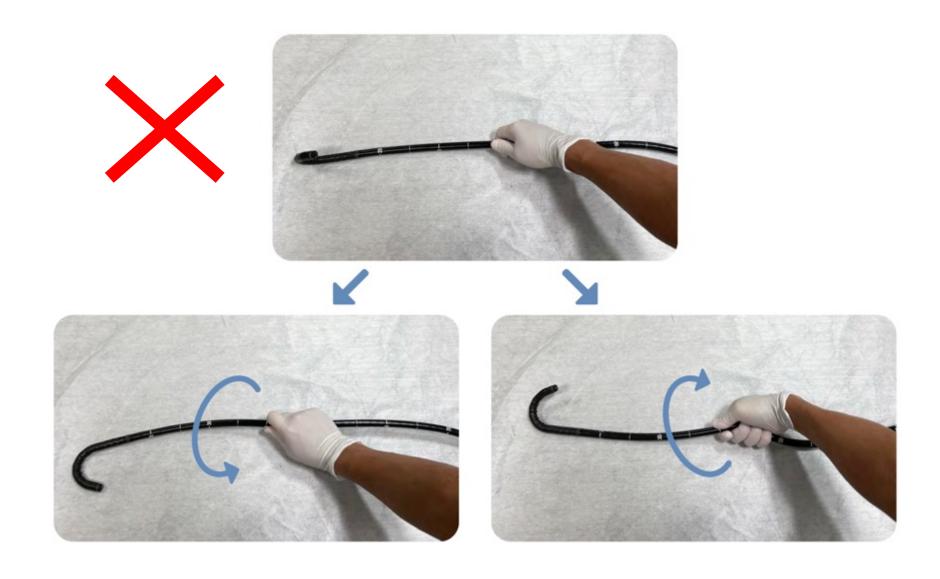






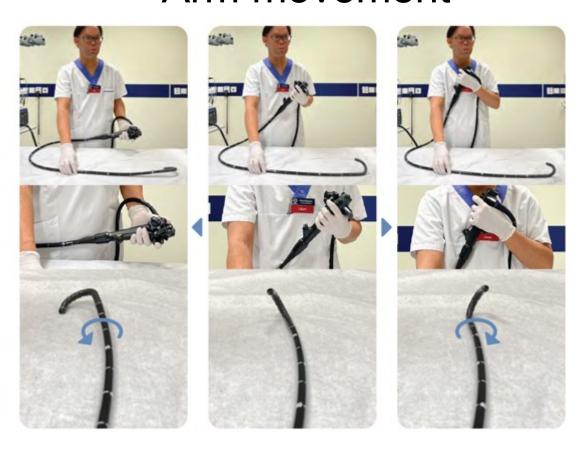


2, How to rotate the endoscopy by left arm.

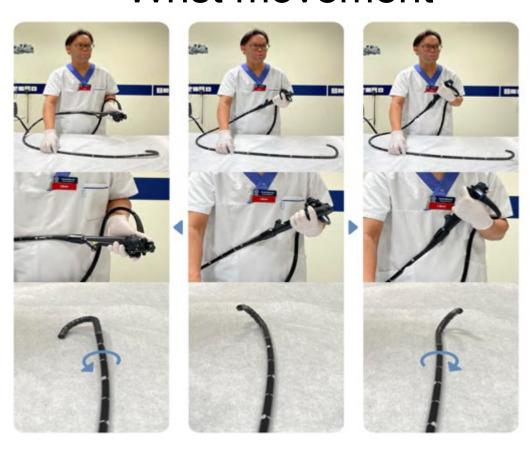


2, How to rotate the endoscopy by left arm.

Arm movement



Wrist movement



3, How to control big and small wheels simultaneously













första tumleden: Uppåt/nedåt

→ Tumspetsen: Vänster/höger

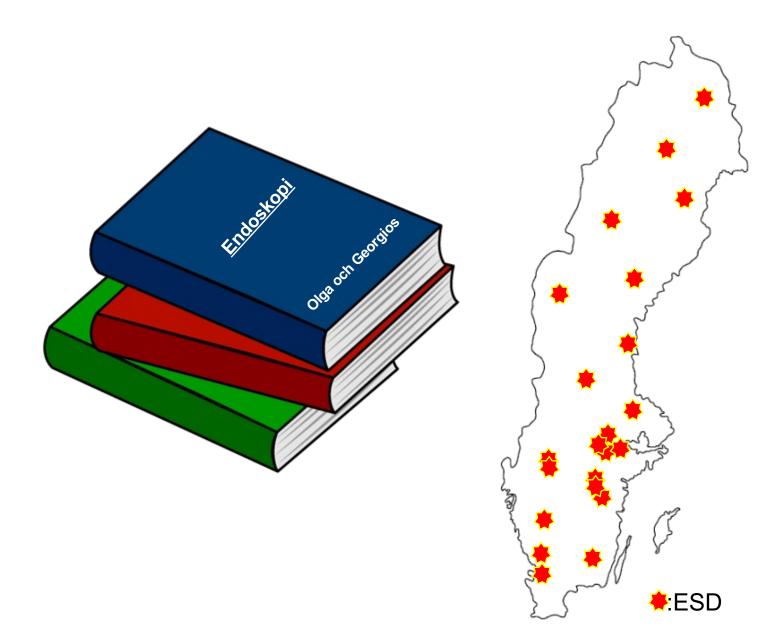
Video from the book

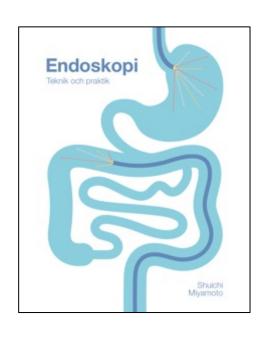


Correct basic technique!!! Let's get it together!!!

For all patients in Sweden!!!

Future







Tack så mycket! Vi älskar Sverige!