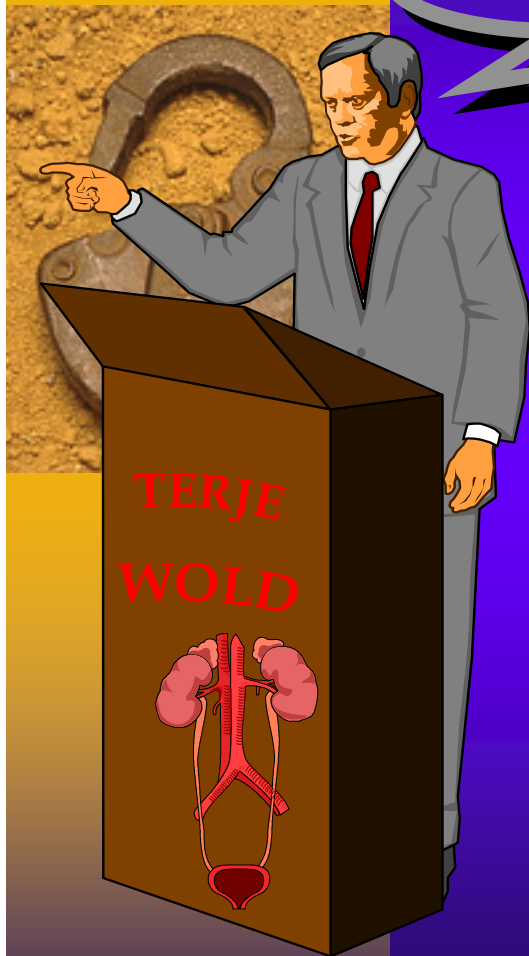


Radikal prostatectomi;
Beste operasjonsmåte er



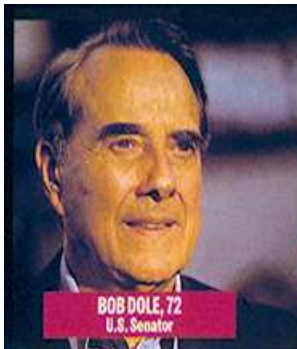
→ KAN ÅPEN KIRURGI BLI LIKE BRA SOM
LAPARASKOPISK????

→ HVA MED ROBOTKIRUGI????

HVA SKAL JEG SI TIL PASIENTENE????!

Terje Wold

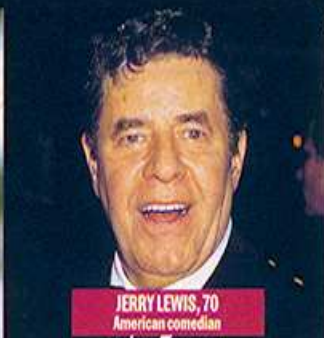
Kir.avd. Sørlandets sykehus HF, Kristiansand



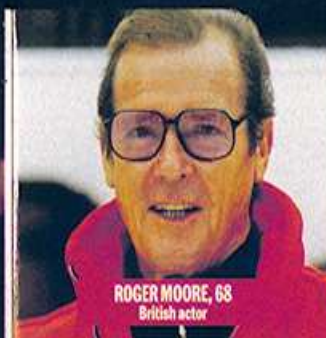
BOB DOLE, 72
U.S. Senator



KAT LIEBERBERG, 57
Former South African army chief



JERRY LEWIS, 70
American comedian



ROGER MOORE, 68
British actor



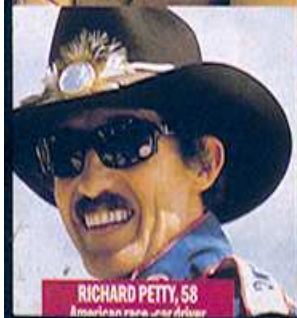
MICHAEL KORDA, 62
British-born editor



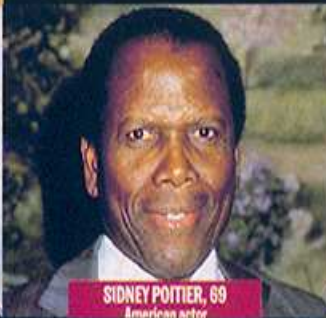
KING SIHANOUK, 75
Cambodia



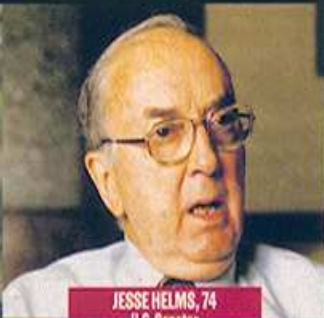
NORMAN SCHWARZKOPF, 61
Retired U.S. general



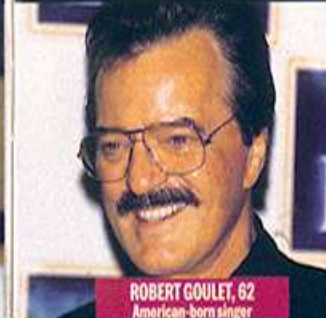
RICHARD PETTY, 58
American race-car driver



SIDNEY POITIER, 69
American actor



JESSE HELMS, 74
U.S. Senator



ROBERT GOULET, 62
American-born singer



MARION BARRY, 60
Washington mayor



SIR FREDDIE LAKER, 73
British businessman

M E D I C I N E

THE MAN'S CANCER

Prostate cancer is threatening millions around the world. This is no time for squeamishness

By LEON JAROFF SANTA MONICA

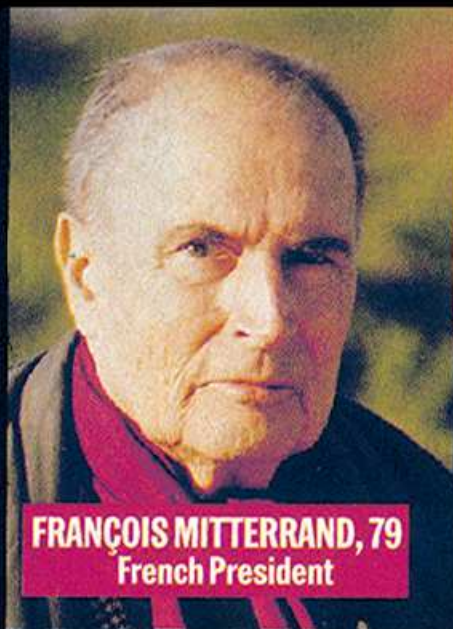
THREE YEARS AFTER HIS TRIUMPH AS COMMANDER OF THE allied forces arrayed against Iraq in the Persian Gulf War, General Norman Schwarzkopf was feeling invincible. But in March 1994, uncomfortable with nagging tendinitis in one knee, he stopped by the MacDill Air Force Base Hospital in Tampa, Florida. While there, he decided to visit the base urologist for a checkup. "I feel something not quite right," the doctor said, after making a routine rectal exam. "But if it's cancer, I can tell 90% of the time, and I don't think so."

Schwarzkopf, then 59, had reason to feel confident. He had recently undergone a PSA (prostate-specific antigen) test and registered a

count of only 1.8, well below the level considered indicative of cancer. But to play it safe, the urologist did an ultrasound exam ("It looks like a stone," he reassured the general), took a biopsy of the prostate gland and sent the tissue to a pathologist. Schwarzkopf left the hospital calm and optimistic. But a week later, the doctor called, paused and then said, "I don't know how to tell you this, but you have prostate cancer."

Shaken, and like most men woefully uninformed about the disease, Schwarzkopf began devouring books and medical-journal articles. He overcame his squeamishness and started talking to friends and experts about this malignancy that seems to strike at the very core of masculinity. "For me, it was like war," he says. "First thing you do is learn about the enemy."

THE SURVIVORS These men are fighting or have already defeated prostate malignancies



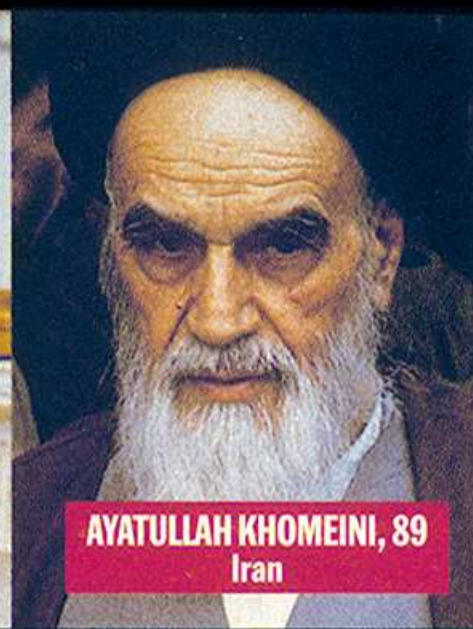
FRANÇOIS MITTERRAND, 79
French President



ROBERT MAYNARD, 56
U.S. newspaper editor



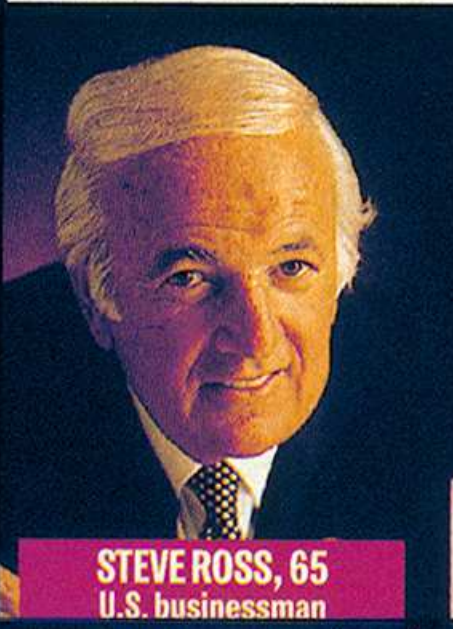
SPARK MATSUNAGA, 73
U.S. Senator



AYATULLAH KHOMEINI, 89
Iran

SOME WHO HAVE

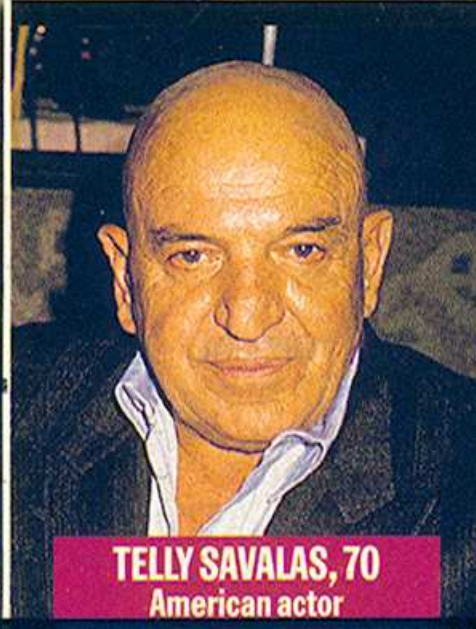
LOST THE BATTLE



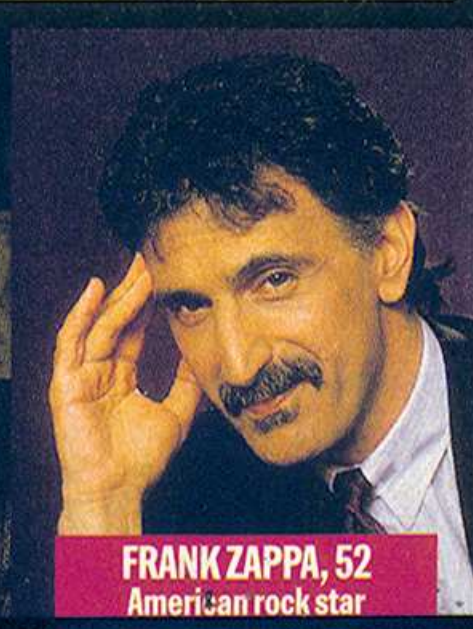
STEVE ROSS, 65
U.S. businessman



BOBBY RIGGS, 77
U.S. tennis player



TELLY SAVALAS, 70
American actor



FRANK ZAPPA, 52
American rock star



HVORFOR OPERASJON?

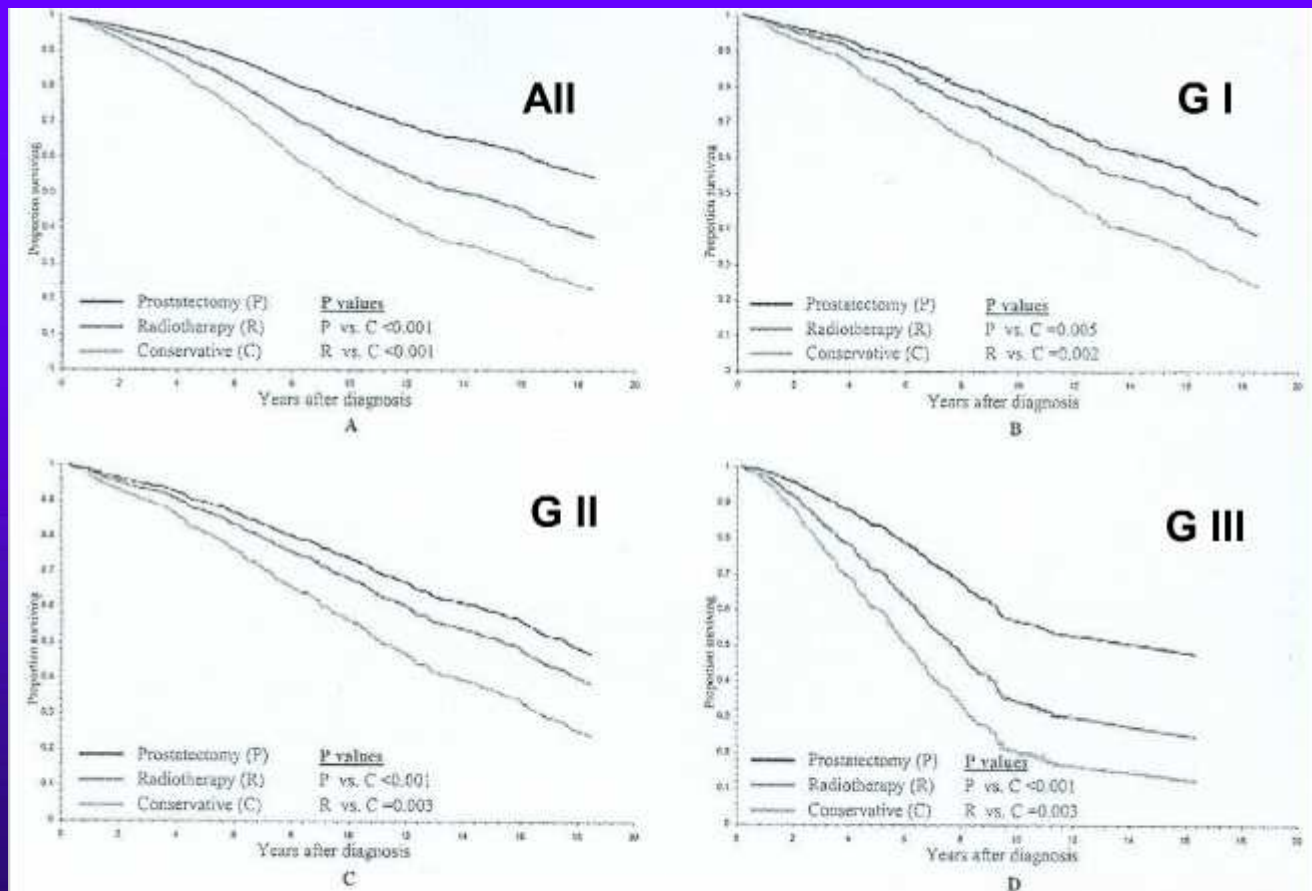


FIGURE 1. Adjusted overall survival curves. (A) All patients. (B) Grade 1 patients. (C) Grade 2 patients. (D) Grade 3 patients.



HVORFOR OPERASJON?

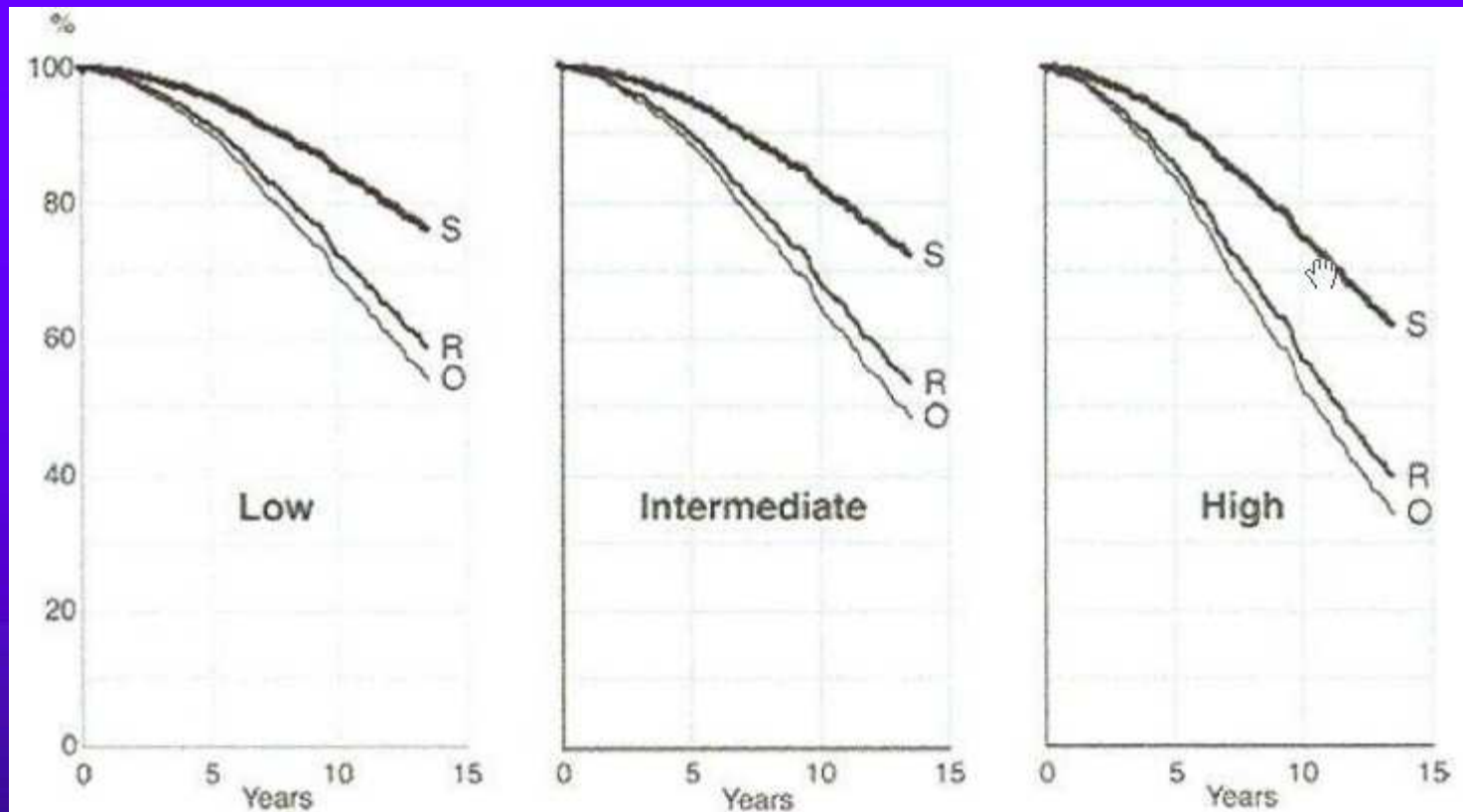


FIG. 4. Overall survival in 3 treatment groups with standardization via proportional hazards model to average covariate profile in each D'Amico risk category. *S*, surgery. *R*, radiation therapy. *O*, observation.



OPERASJONSMULIGHETER

- ◆ OPERASJON MED
ROBOT(DNR/SKIEN/Stavanger/Trondheim/Bergen)
- ◆ LAPARASKOPISK(KIKHULLSTEKNIKK)(AKER SYKEHUS)
- ◆ ÅPEN OPRASJON



AVGJØRENDE FOR "VELLYKKET OPERASJON"

- ◆ KREFT-FRIHET("FRIE KANTER"/ONKOLOGISK RESULT.)
- ◆ KONTINENS/LEKKASJE
- ◆ EREKSJONSEVNE(POTENS)



AVGJØRENDE FOR "VELLYKKET OPERASJON"

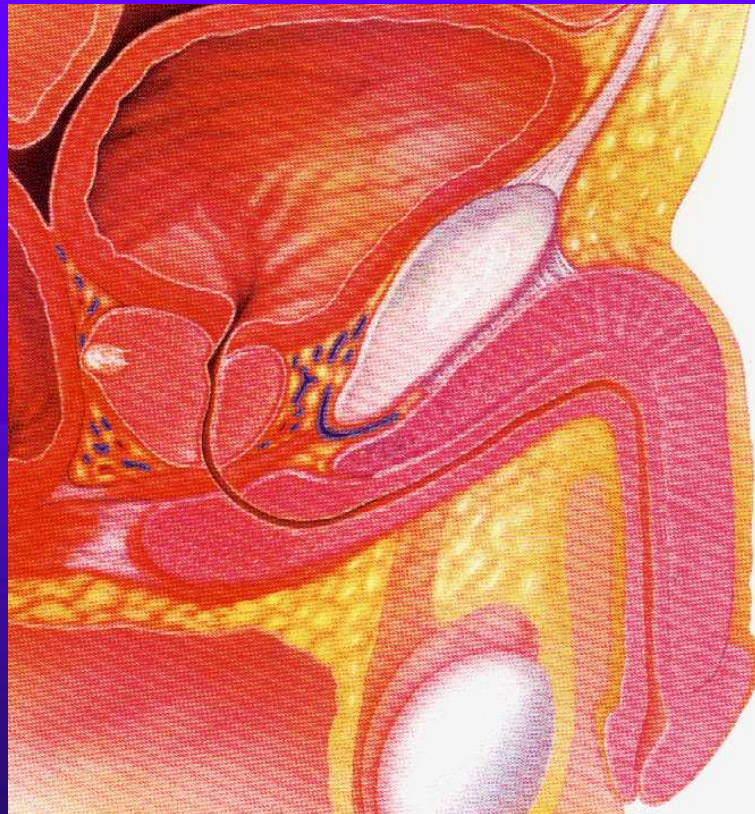
MEN OGSÅ;

- BLODTAP
- LIGGEDØGN
- SYKEMELDINGSTID



PROBLEMET MED RADIKALBEHANDLING; (LOKALISERT SYKDOM DVS T1-3, N0,MO.)

- ♦ TIDLIG
FASE
- ♦ PROBLEM;
STARTER I
PERIFERIEN



Dagbladet

Tirsdag 10. april 2007

Nr. 96 Uke 15, 139. årgang. Lesesalg kr 10,00



Uwe Rösler,
Viking-tenner

SPORTEN



SPILLEAUTOMATER
- Syltynt,
Giske

STEIN AABO
KOMMENTAR SIDE 3



MUSIKKTIRSDAG
Flotte låter -
stort register

SVEN OVE BAKKE
ANMELDELSE SIDE 52-53



MUSIKKTIRSDAG
Moden
countryrock

SVEN OVE BAKKE
ANMELDELSE SIDE 50



ROBOT gir håp for kreft- syke



NYTT LIV: En operasjonsrobot effektiviserer behandling av prostatakreft. Nå skal ventelistene fjernes.

SIDE 4-5



Foto: A.H. Robert, Sommerbak, Hauge-sam

**Samantha
nødlandet
på sauegård**

SIDE 48



Robot



RALP

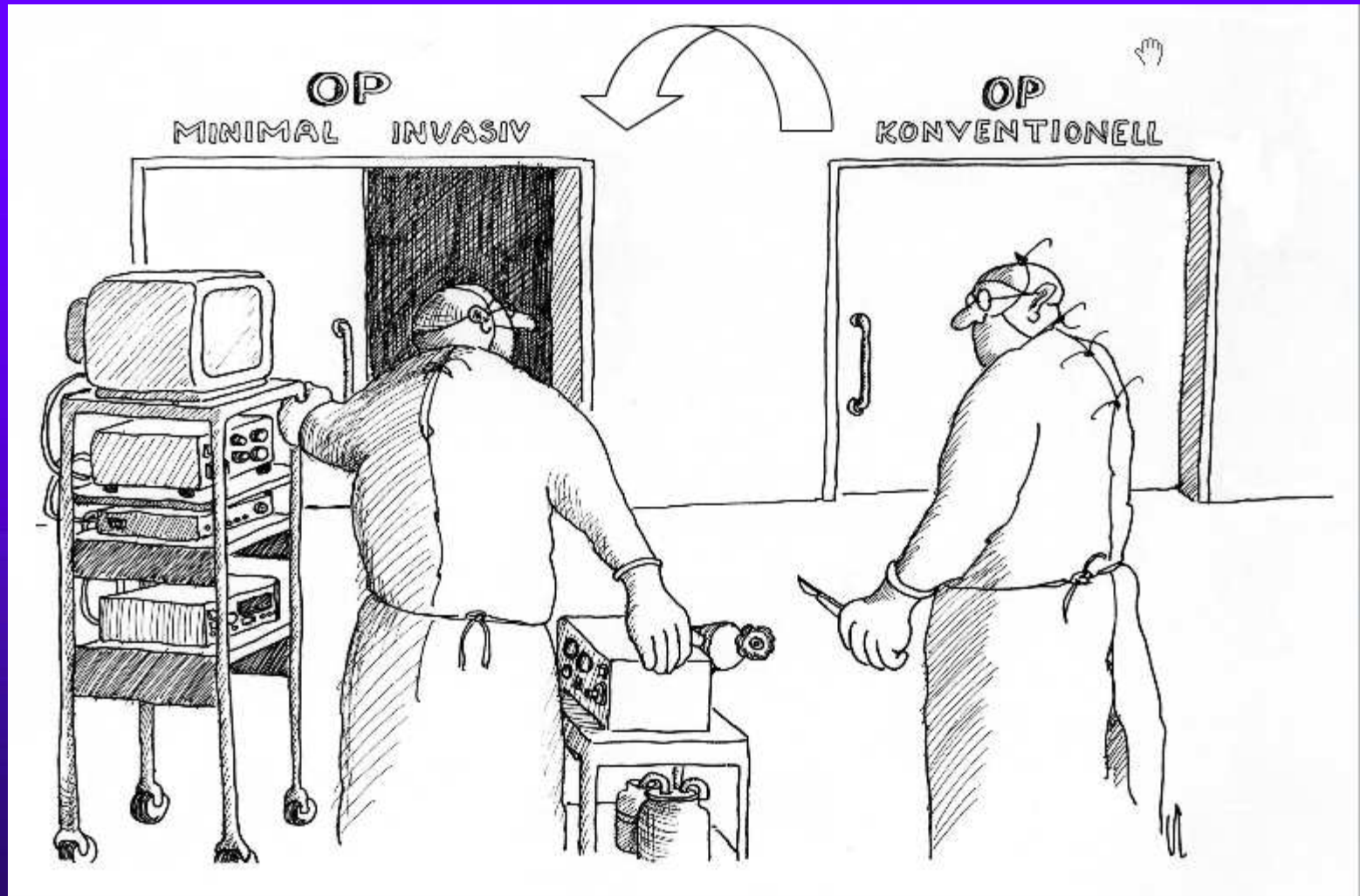


RADIKAL LAPARASKOPISK PROSTATEKTOMI - VI LAR OSS FASCINERE!!!





Mye "high-tech"





RADIKAL PROSTATEKTOMI - ÅPEN OP.

- ◆ "GAMMELDAGS"
- ◆ KOMMET I BAKGRUNN
- ◆ HELSEFORETAK FIKK "IKKE LOV" Lenger
- ◆ "MYE BEDRE RESULTATER" MED LAPARASKOPI
- ◆ ROBOT ER "FANTASTISK"

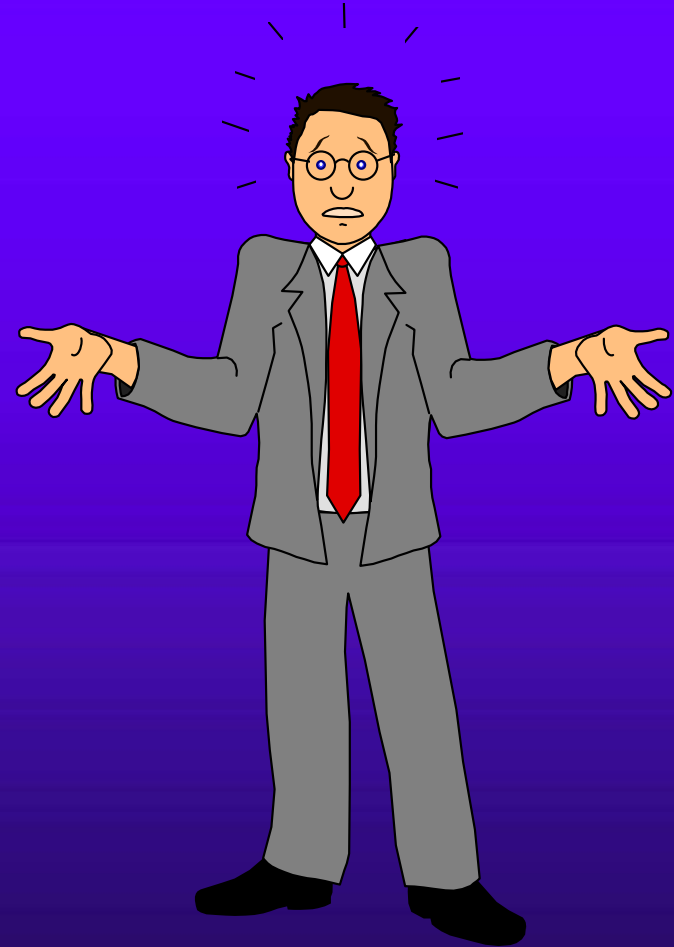




RADIKAL PROSTATEKTOMI – ”GAMMELDAGS” ÅPEN OPERASJON

NOE MÅTTE GJØRES!!

(JEG DROG PÅ KURS!
(PÅ EGENHÅND))



JEG "SÅ LYSET" PÅ DETTE KUSET

Progrès en Urologie

SURGICAL TECHNIQUES

EAU Advanced Course



14-15 October 2004
Paris - France

- **RADICAL RETROPUBIC PROSTATECTOMY
with nerve preservation**

Directed by Dr C. BARRÉ*
(Nantes) France



with support from AstraZeneca
UROLOGIE



• Drafting committee

ISSN 1166-7087

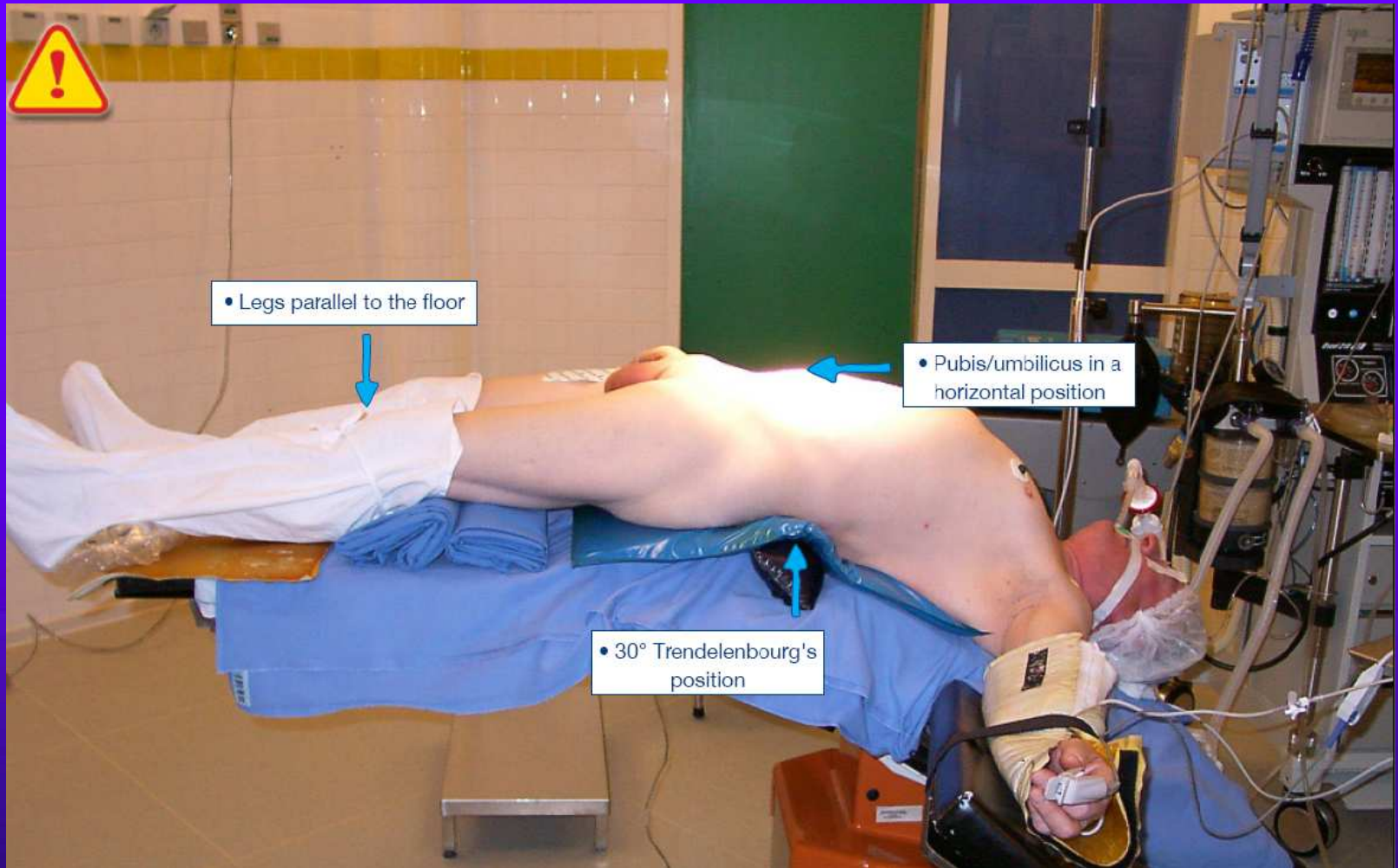
* From - Barré (C.), Chauveau (P.), Prostatectomie radicale rétropubienne,
Encycl Méd Chir. Urologie, 2002 ; 41- 295, 14p.



Fordeler med metoden

1. LEIE AV PASIENT
2. UTSTYR/INSTRUMENTER
3. DIREKTE PALPASJON UNDER OPERASJONEN

LEIE AV PASIENT

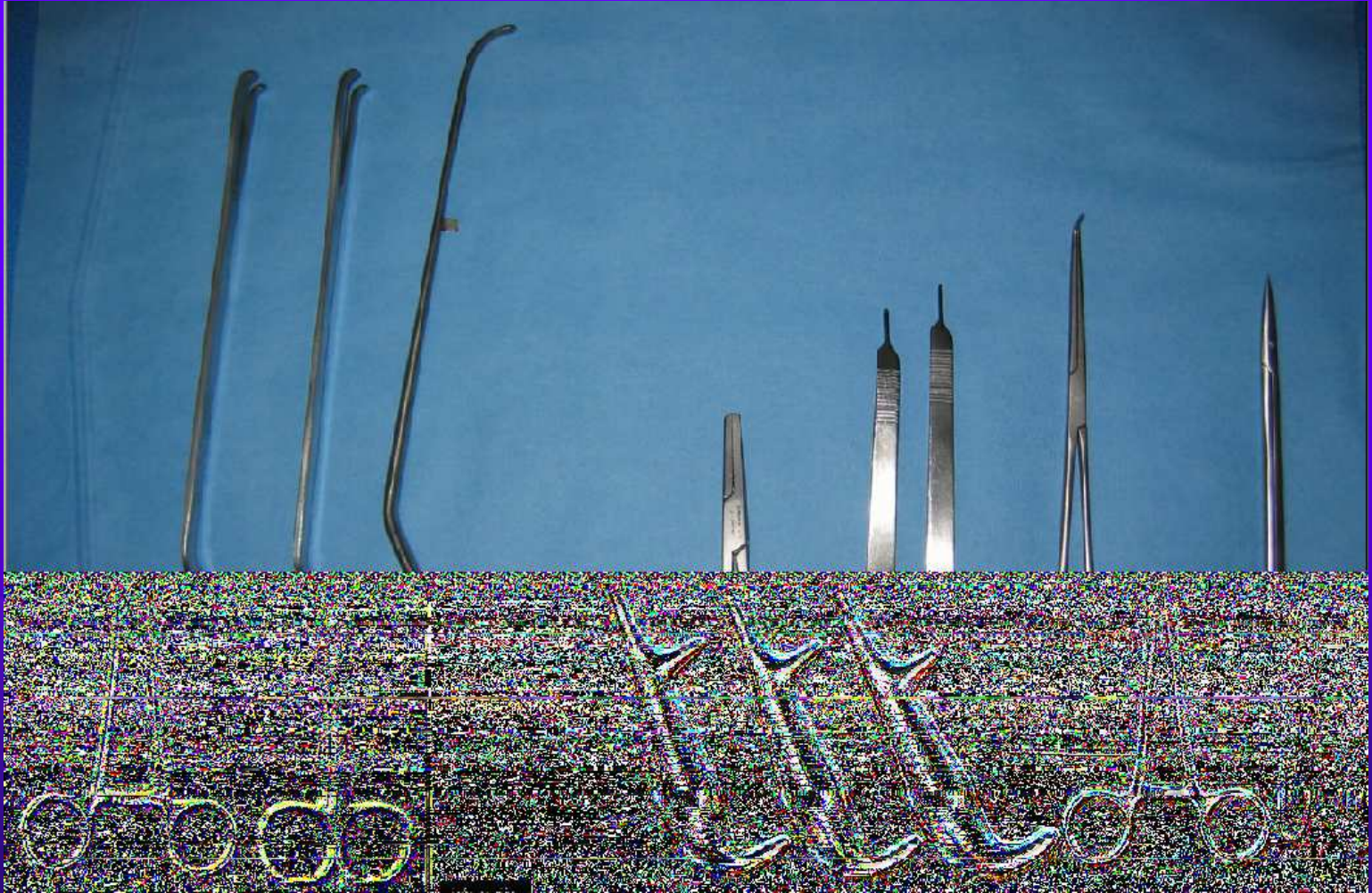


”Godt verktøy gjør halve jobben.”

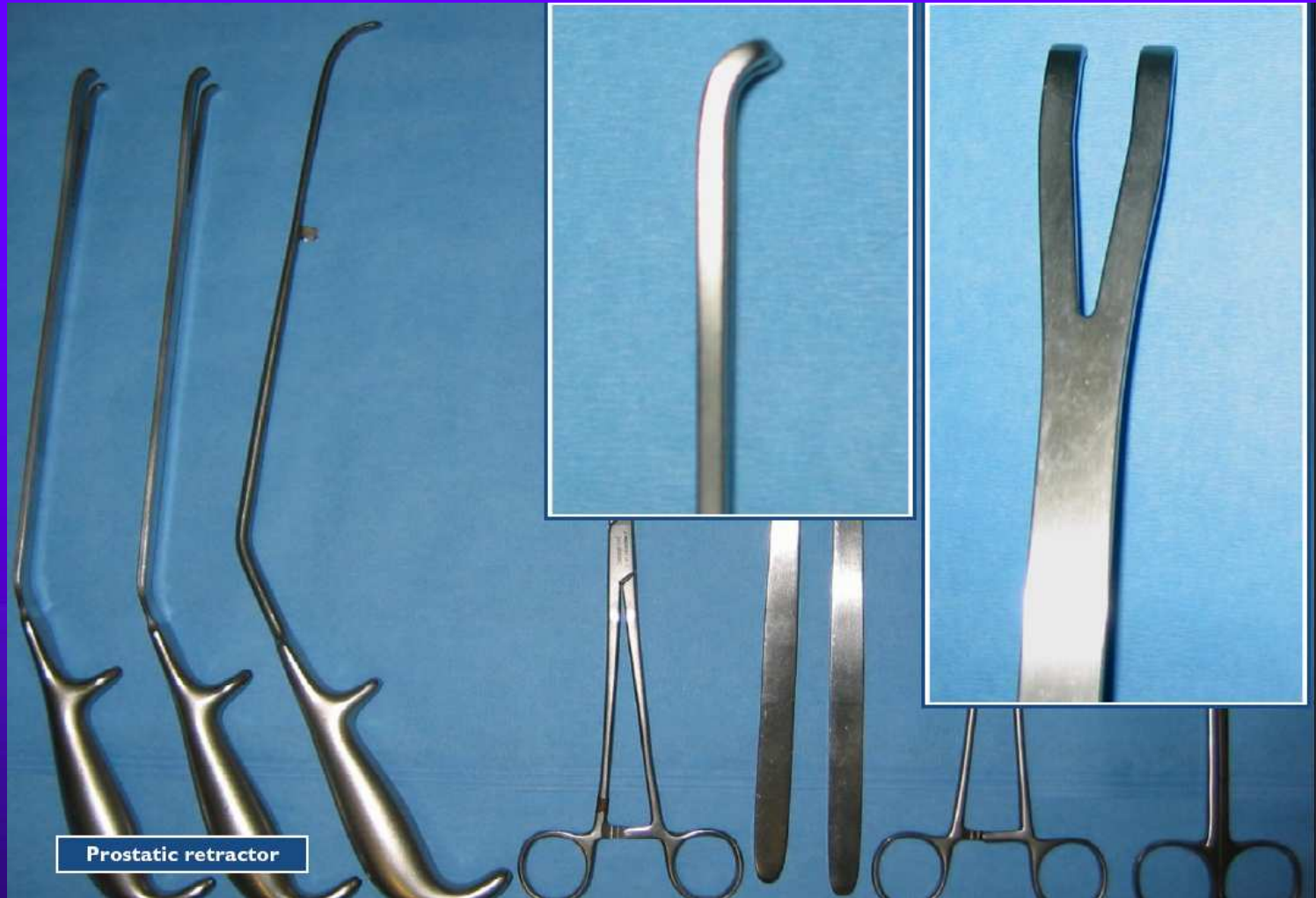
LUPEBRILLER(2.5x) OG
PANNELAMPE ER STANDARD



”Godt verktøy gjør halve jobben.”



PROTATA-RETRAKTOR

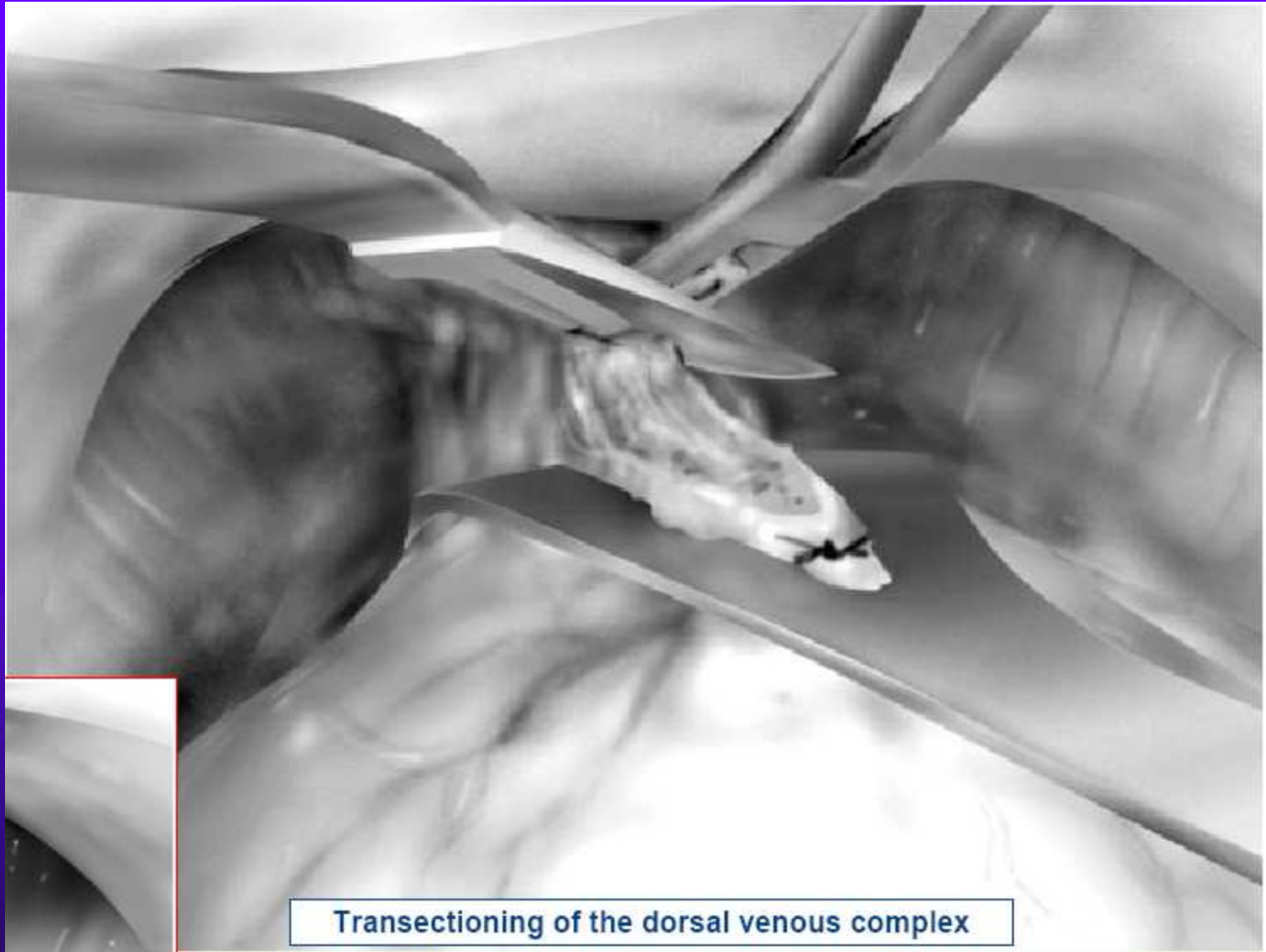


Prostatic retractor

PROTATA-RETRAKTOR



PROTATA-RETRAKTOR

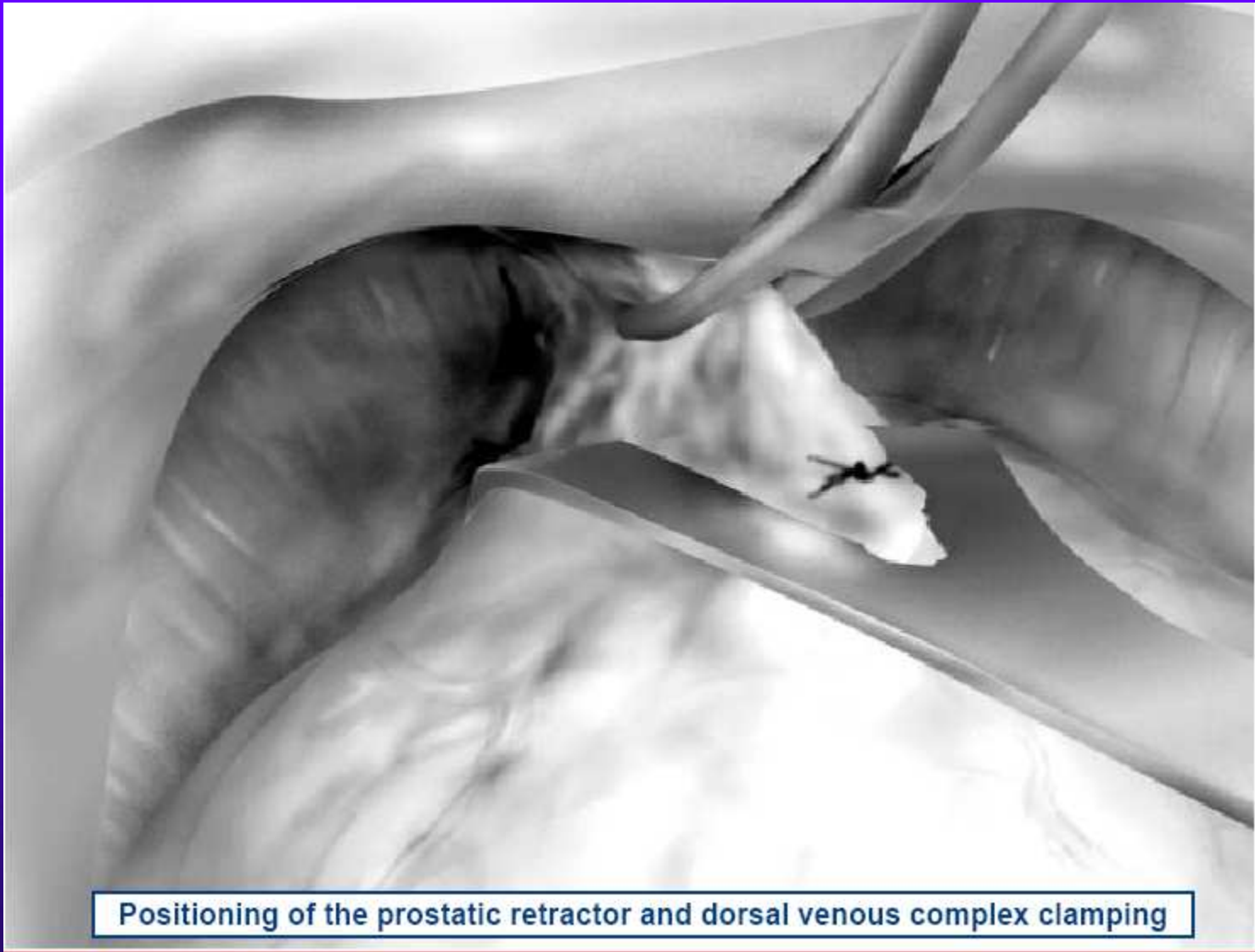


Transectioning of the dorsal venous complex

VENEPLEXUS-KLEMMME

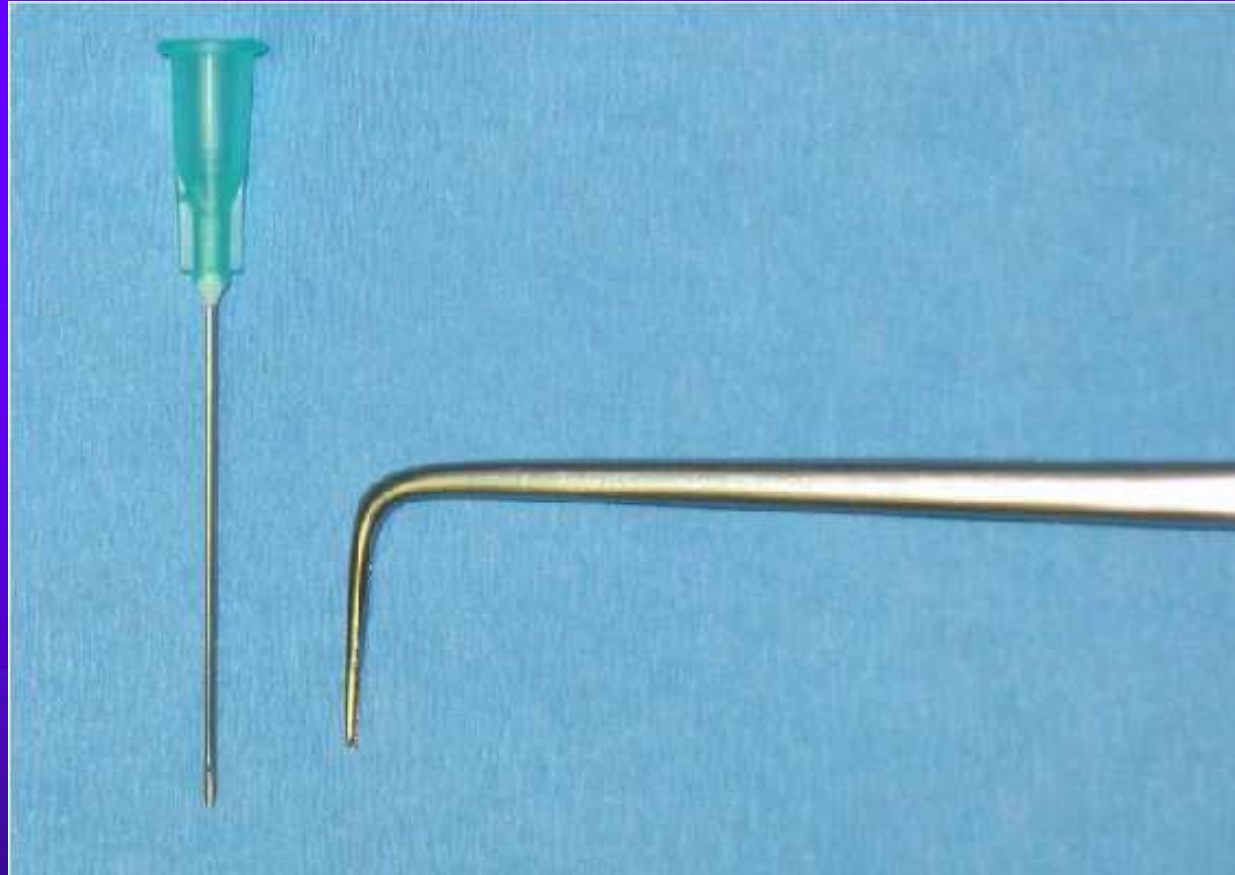


VENEPLEXUS-KLEMMME

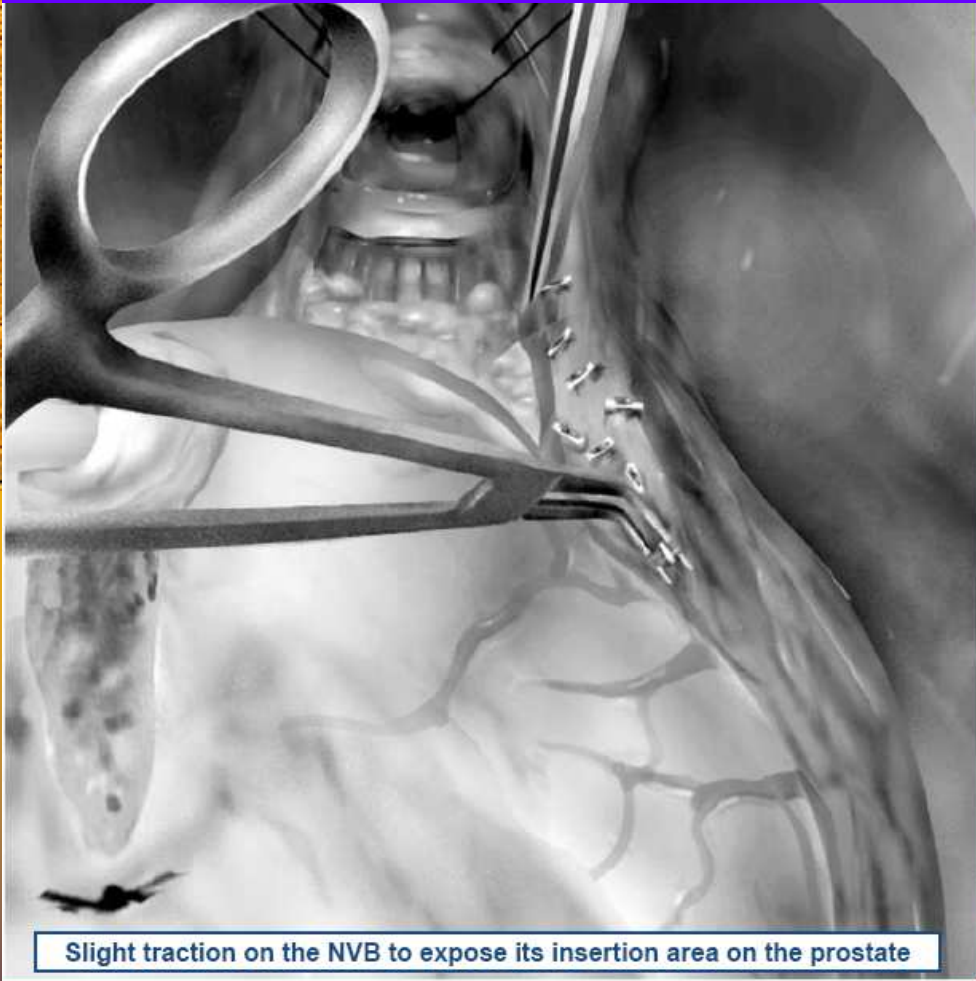


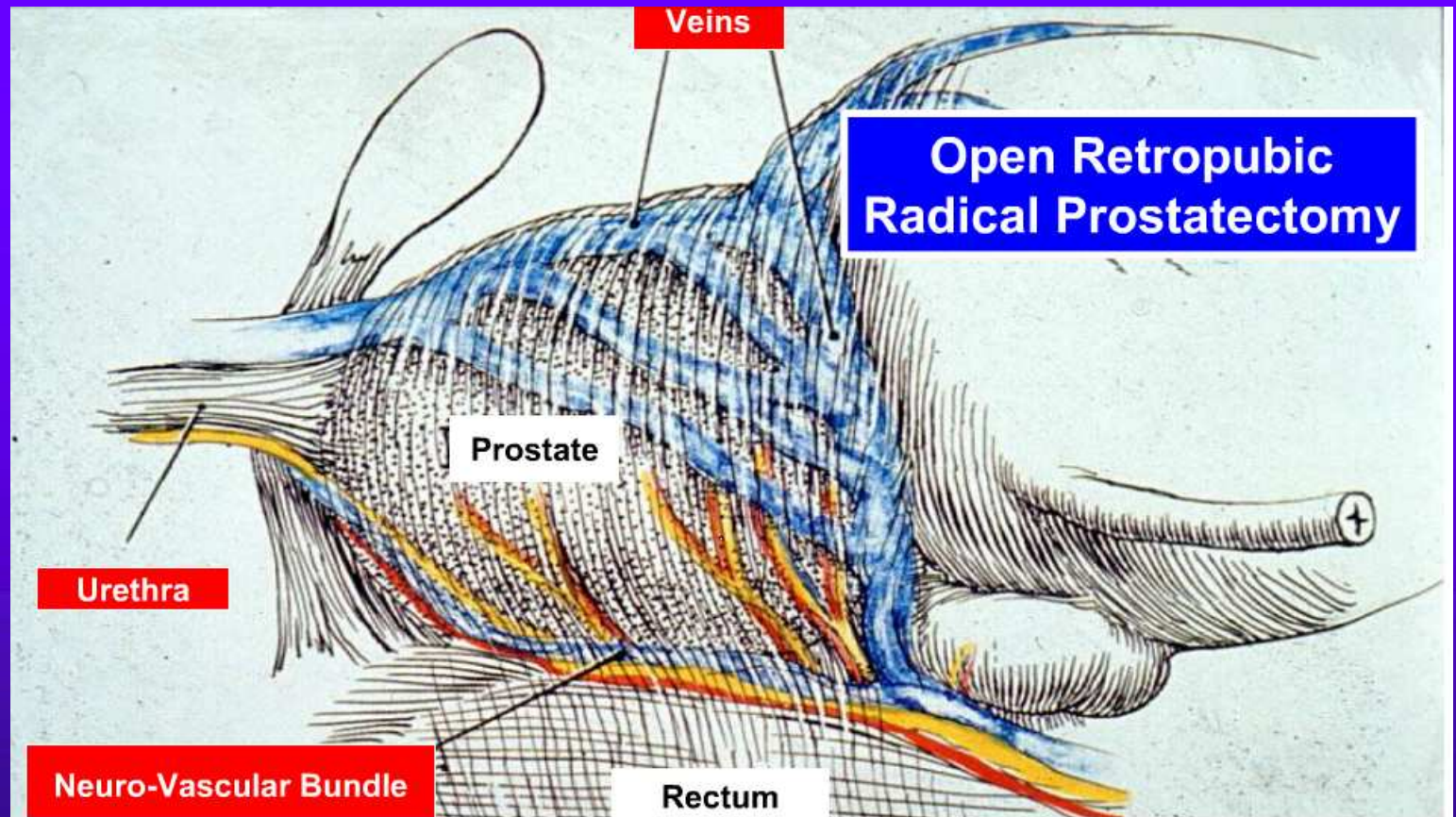
Positioning of the prostatic retractor and dorsal venous complex clamping

Nerve-dissektor

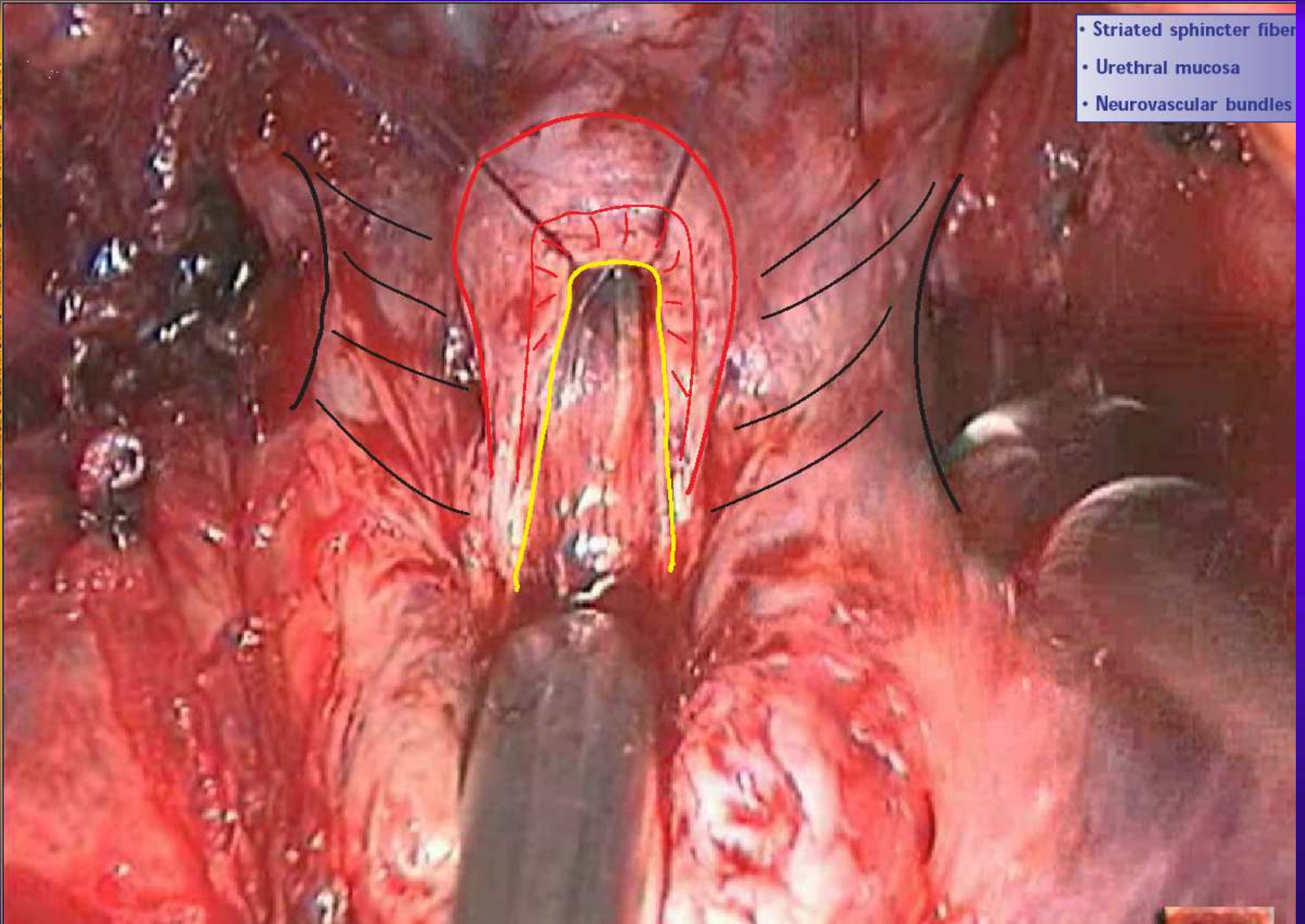


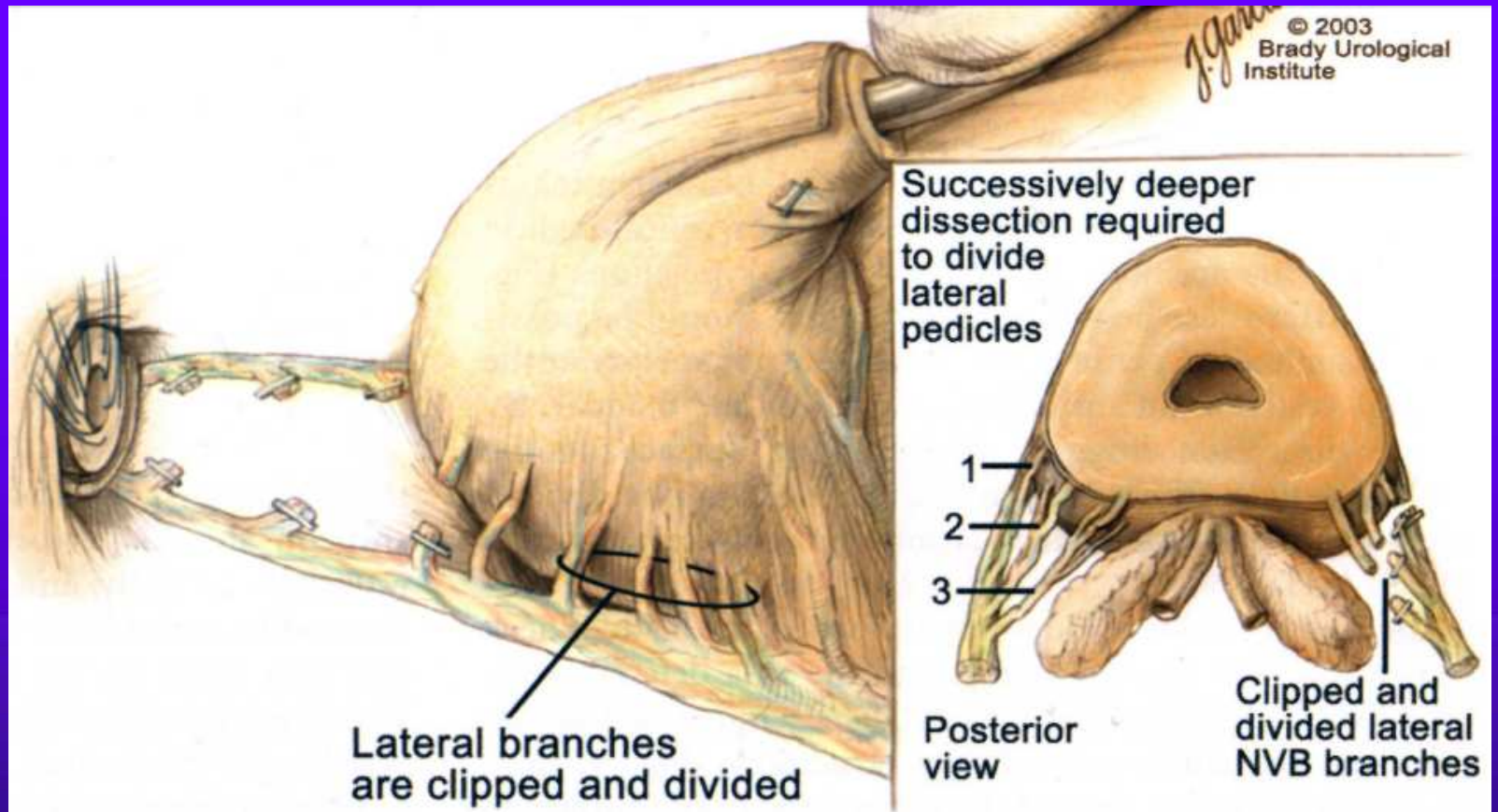
Nerve-dissektor



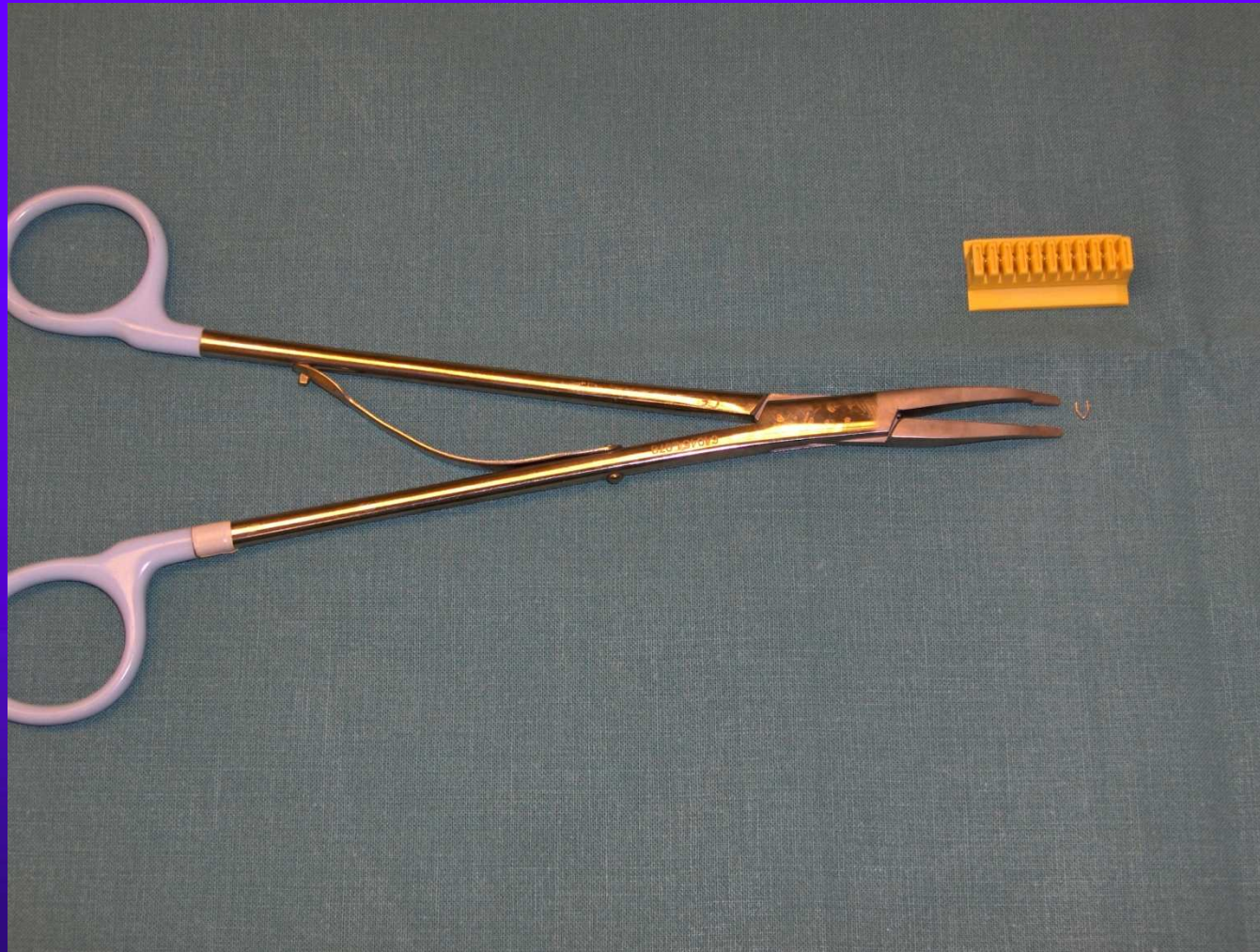


- Striated sphincter fiber
- Urethral mucosa
- Neurovascular bundles





VASKULÆRE KLIPS(3.8MM)

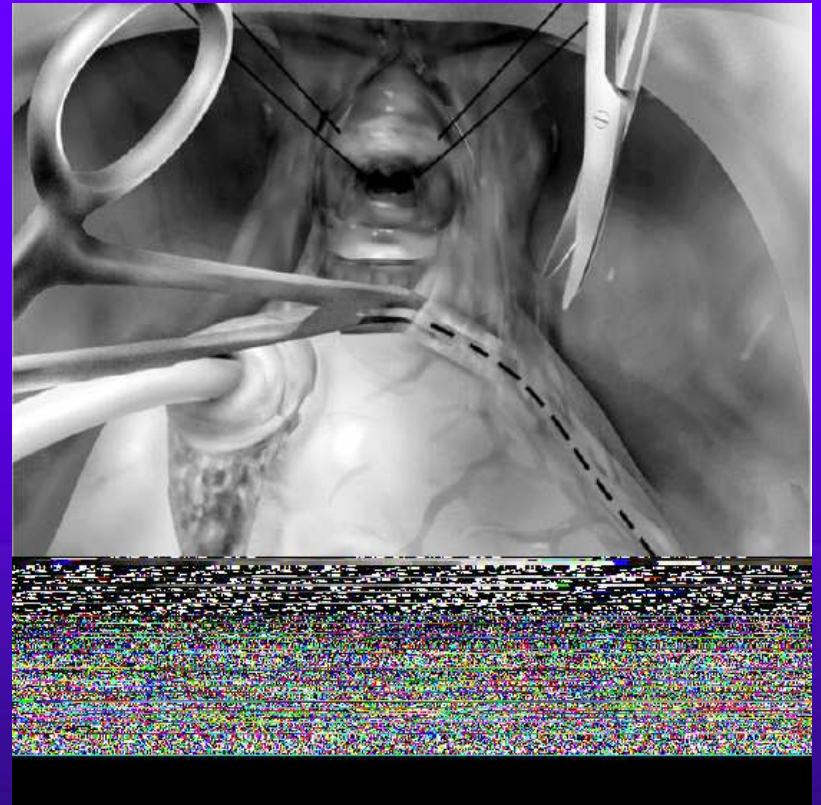
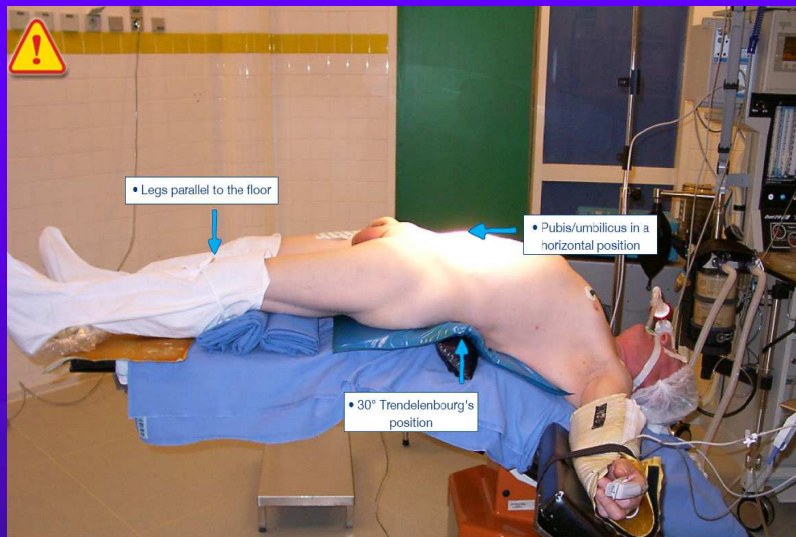




OPERASJONSMETODEN STORE FORDELER

OPERASJONSMETODEN STORE FORDELER

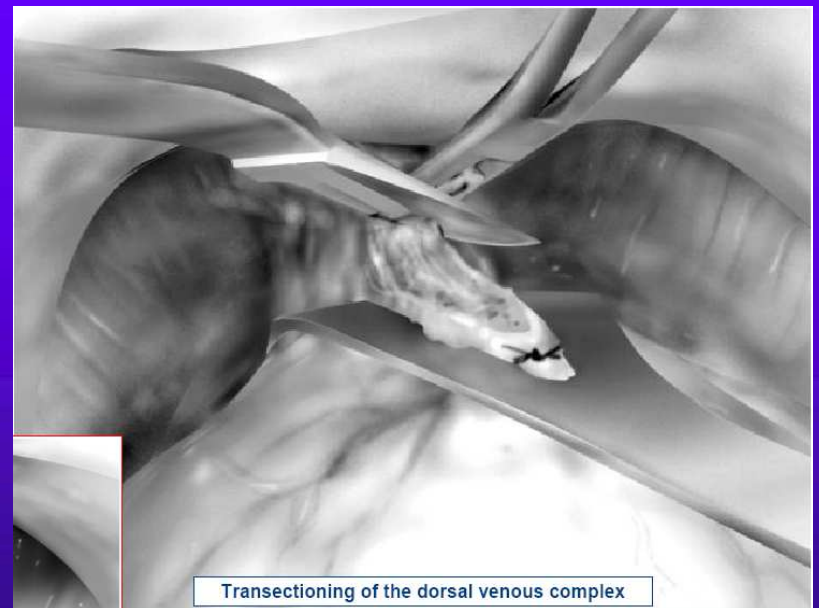
1. OVERSIKTLIG OP.FELT





OPERASJONSMETODEN STORE FORDELER

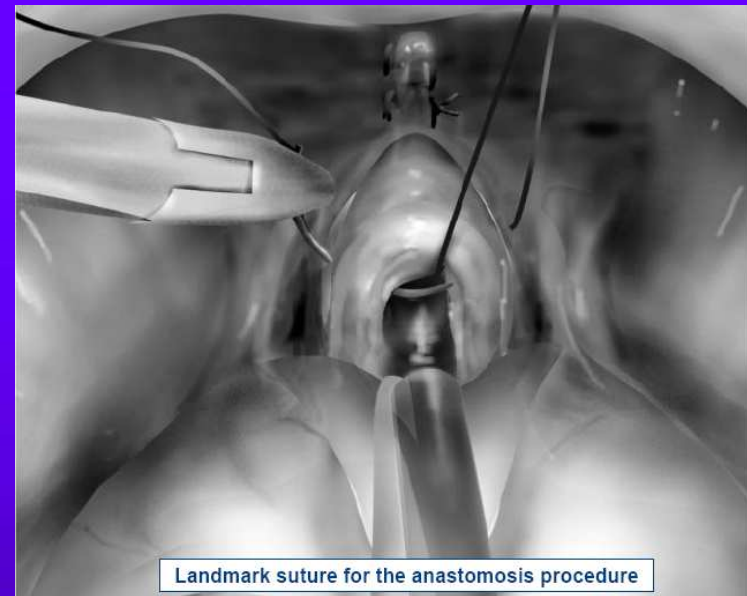
1. OVERSIKTLIG OP.FELT
2. SIKKER DELING AV VENEPLEXUS



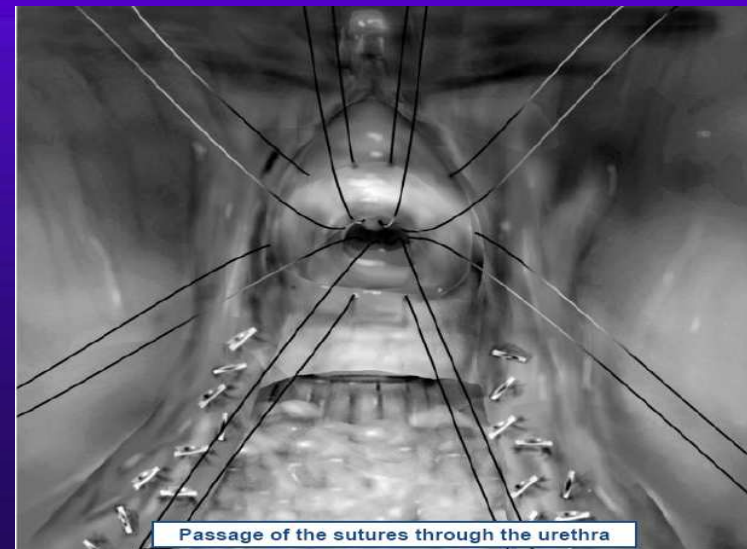


OPERASJONSMETODEN STORE FORDELER

1. OVERSIKTLIG OP.FELT
2. SIKKER DELING AV VENEPLEXUS
3. PEN FRMSTILLING AV URETHRASTUMP



Landmark suture for the anastomosis procedure

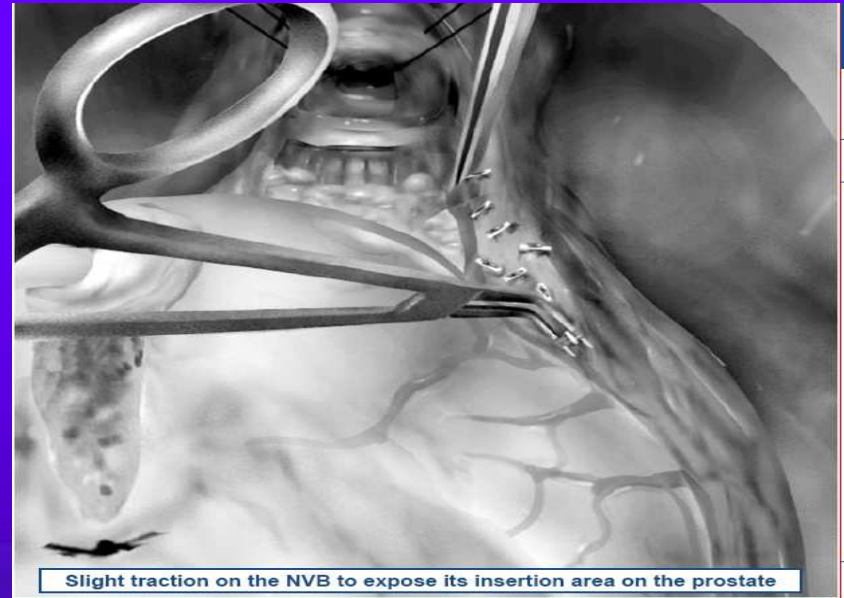


Passage of the sutures through the urethra



OPERASJONSMETODEN STORE FORDELER

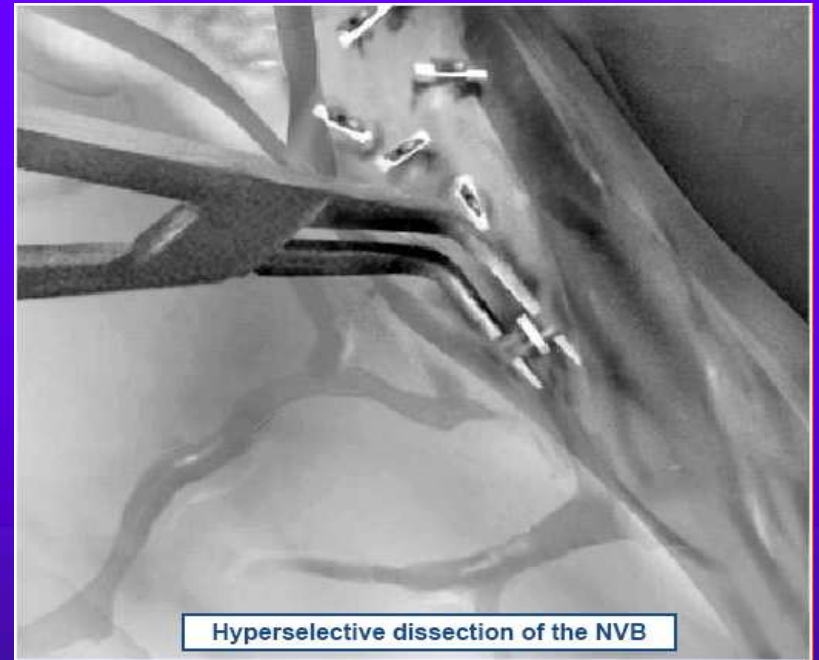
1. OVERSIKTLIG OP.FELT
2. SIKKER DELING AV VENEPLEXUS
3. PEN FRMSTILLING AV URETHRASTUMP
4. HYPER-SELEKTIV FRIDISSEKERING AV NERVEKARSTRENG





OPERASJONSMETODEN STORE FORDELER

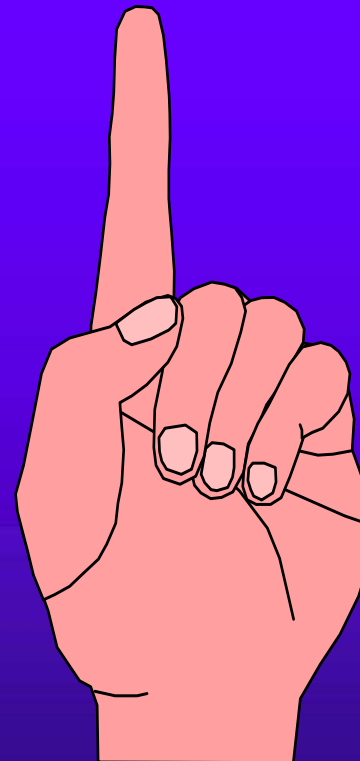
1. OVERSIKTLIG OP.FELT
2. SIKKER DELING AV VENEPLEXUS
3. PEN FRMSTILLING AV URETHRASTUMP
4. HYPER-SELEKTIV FRIDISSEKERING AV NERVEKARSTRENG
5. "KALD" FRIDISSEKERING AV NERVEKARSTRENG





OPERASJONSMETODEN STORE FORDELER

1. OVERSIKTLIG OP.FELT
2. SIKKER DELING AV VENEPLEXUS
3. PEN FRMSTILLING AV URETHRASTUMP
4. HYPER-SELEKTIV FRIDISSEKERING AV NERVEKARSTRENG
5. "KALD" FRIDISSEKERING AV NERVEKARSTRENG
6. "FINGER I FELTET"





GREIT Å SE AT FRANSKE SUPERKIRURGER
OPERER EXCELLENT



MEN KAN SKARVE UROLOGER
FRA KRISTIANSAND FÅ DETTE
TIL?????





TJA.....IKKE SÅ VERST



TJA.....IKKE SÅ VERST

OG DET ER IKKE FORDI KIRURGENE I
KRISTIANSAND ER SPESIELT GODE
(KUN MIDDELMÅDIGE)

MEN FORDI METODEN ER GOD!!!



RESULTATER

- ◆ TIDSROM 01.01.05 – 01.10.06
- ◆ OPERATØRER; 1 FAST HOVEDOPERATØR +OVERLEGE/ASSL.
- ◆ FYSIOTERAPEUT X 2
- ◆ KATETERTID 14 DGR.
- ◆ FAST KONTROLLOPPLEGG.(UROTERAPEUT – OPERATØR)
- ◆ ERI'S DATABASE



Bakgrunn

- ◆ Tidsrom; 01.01.05 – 01.10.06
- ◆ Antall pasienter; 63
- ◆ Preop.utredning; PSA, TRUSP/TUR-P
 - PSA > 10 og/eller Gleason > 7; Rutinemessig Skjelettscinti + Bekkengl.st
- ◆ Gj.snitts alder: 61,8 (49 – 72)
- ◆ Gj.snitts PSA: 8.0(7,5) (2,5 – 15,5)



OPERASJON

- ◆ OPERASJONSTID; 135 min (100 – 150)
- ◆ BLØDNING;(median) 650ml (200 – 2100)
- ◆ TRASNFUSJONSBEHOV 7/63 (1- 4)
- ◆ POSTOPERATIV LIGGETID: 5 døgn (4 –21)



KOMPLIKASJONER

◆ REKTUMPERFORASJON;	2	INGEN KONSEKVENNS
◆ ANASTOMOSERUPTUR;	1	REOPERASJON
◆ ANASTOMOSE-STRIKTUR;	4	3 BLOKKET, 1 OP.
◆ ARM-PARALYSE;	3	(FORBIGÅENDE)



KOMPLIKASJONER

◆ REKTUMPERFORASJON;	2	INGEN KONSEKVENNS
◆ ANASTOMOSERUPTUR;	1	REOPERASJON
◆ ANASTOMOSE-STRIKTUR;	4	3 BLOKKET, 1 OP.
◆ ARM-PARALYSE;	3	(FORBIGÅENDE)





RESULTATER – ONKOLOGI

IKKE FRI KANT; 8/63 12,8 %
IMIDLERTID; ALLE PSA < 0,1

♦ Pt-STADIUM.

- pT1c; 2/63
- pT2a; 11/63
- pT2b; 1/63
- pT2c; 34/63
- pT3a 11/63
- pT3b; 2/63

♦ GLEASON;

- 5 1/60
- 6 23/60
- 7 32/60
- 8 2/60
- 9 1/60
- 10 1/60



PASIENTER MED IKKE KANT FRI

PSA	F.OP	3MND.	6MND	1ÅR
1.	14.5	0,01	0,01	
2.	5,4	0,02	0,01	
3.	5,5	<0,01	<0,01	
4.	4,5	0,01	<0,01	
5.	7,6	<0,01	<0,01	<0,01
6.	11,0	<0,01	<0,01	<0,01
7.	9,6	0,01	0,02	0,03
8.	5,2	0,09	0,04	



INKONTINENS

- ◆ GRAD 0 (HELT KONT. INTET INNLEGG) 41/54
- ◆ GRAD 1 (DRÅPELEKKASJE V. FYS.ANSTR.) 11/54
- ◆ GRAD 2 (BYTTER INNL. EN EL. FLERE GNR. DGL) 2/54
- ◆ GRAD 3 0



EREKESJONSEVNE

- ◆ VANSKELIG Å BEDØMME
- ◆ SØRLENDINGER LITE INTERESSERT I SEX????



SØRLENDINGER!



ELLER ER DET KONENE.....





EREKESJONSEVNE

- ◆ IKKE AKTUELT 12/50
- ◆ KLARER Å GJENNOMFÆRE SAMLEIE
M. ELLER UTEN VIAGRA ETC. 15/50
- ◆ KLARER IKKE SAMLEIE 23/50
 - AV DISSE NEDSATT EVNE FØR OP. 11/23



SAMMENLIGNING AV METODENE

	Frie kanter	Inkontinens	Ereksjonsevne
Robot	ca 15%	ca 5%	ca 50%
Laparaskopisk	ca 15%	ca 5%	ca 50%
Åpen op.	ca 14%(12,8)	ca 5%	ca 50%



	Blødning	Liggetid	SM
Robot	350ml	3dgr	3-4 uker
Laparaskopisk	350ml	3dgr	3-4 uker
Åpen op.	650ml	6dgr	8-12 uker



KONKLUSJON -1

- ◆ NY OPERASJONSMETODE HAR GITT BETYDELLIG BEDRET RESULTATER FOR OPERASJON FOR CANCER PROSTATA
- ◆ VI HAR GODT ONKOLOGISK RESULTAT
- ◆ AKSEPTABELT RESULTAT PÅ KONTINENS
- ◆ EREKSJONSEVNEN BØR BEDRES



KONKLUSJON -2

- ◆ LAPARASKOPISK TEKNIKK ER BEDRE NÅR DET GJELDER OP.TRAUME, LIGGETID, SM OG REKONVALESENS.
- ◆ ETTER VÅR MENING HAR VI SAMMENLIGNBARE RESULTATER PÅ ONKOLOGI, KONTINENS OG EREKESJONSEVNE.
- ◆ VI VIL FORTSATT TRYGT ANBEFALE PASIENTER Å LA SEG OPERERE ÅPENT!



“I should not choose the operation but I should choose the surgeon to do it and I should choose him with great care”.

I would say to him: “Do the operation just when , how and where you trust best, but promise me to go to bed early the night before, and to get up in good time and have a good breakfast ”

Cuthbert Dukes
Br.J.Surgery 1957



TUSEN TAKK FOR OPPMERKSOMHETEN!!!

