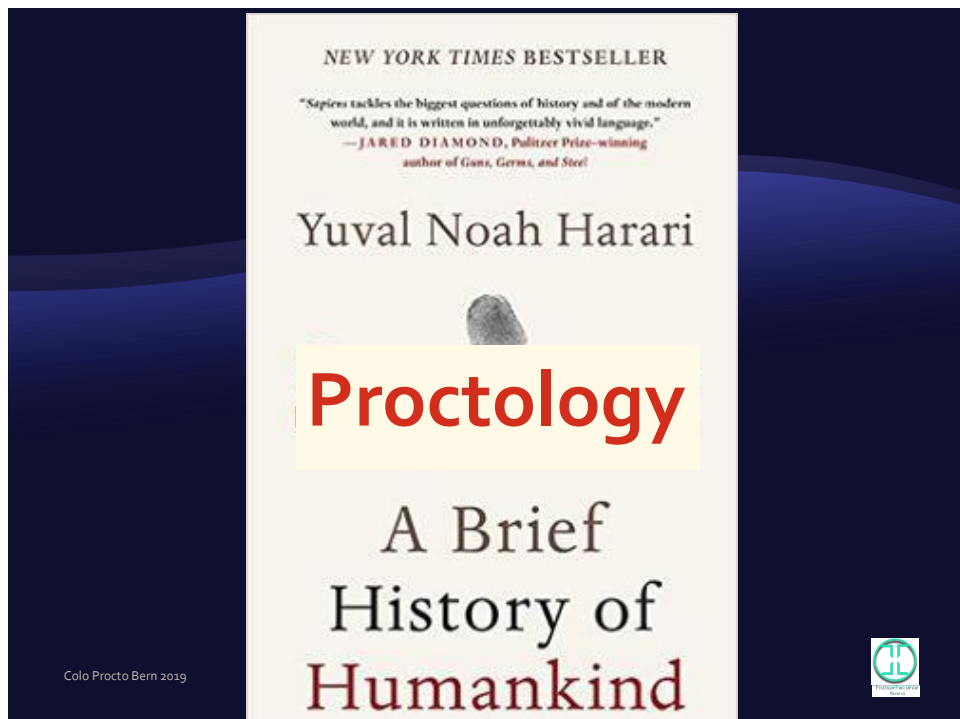


Coloproctology Yesterday and Tomorrow

Bruno Roche



Hammurabi (1795-1750 B.C.)



Hammurabi: King of Babylon, Mesopotamy

Wrote a code of 282 laws which ruled the life of the citizens

215: „If a physician make a large incision with an operating knife and cure it, or open a tumor, he shall receive ten shekels in money“

216: „If the patient be servant, he receives five shekels“

217: „If he be the slave of someone, his owner shall give the physician two shekels“



Hammurabi (1795-1750 B.C.)

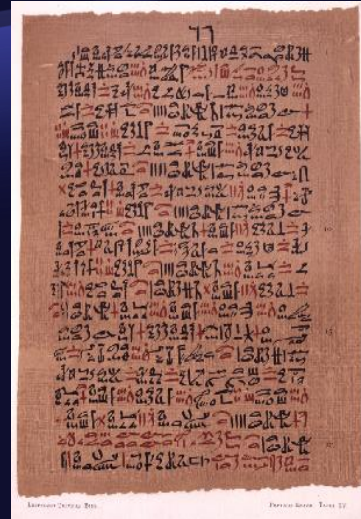
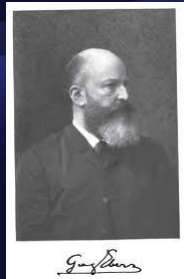


218: „If a physician make a large incision with an operating knife or open a tumor, and kill the patient, his hands shall be cut off“

219: „If a physician make a large incision and kill a slave he shall replace him with another slave“



Proctology: A Brief History of Humankind



Eber and Chester Beatty Papyrus :
1500 B-C.

Ebers Papyrus: 1550 B.C.

33 magistral prescriptions

Bayberry (*Myrica cerifera*)

Stops diarrhea, soothes ulcers,
shrinks hemorrhoids,
repels flies

Garlic (*Allium sativa*)

gives vitality, soothes flatulence and
aids digestion, mild laxative, shrinks
hemorrhoids, rids body of "spirits"

(note, during the building of the pyramids, the workers were given
garlic daily to give them the vitality and strength to carry on and
perform well)



Colo Procto Bern 2019

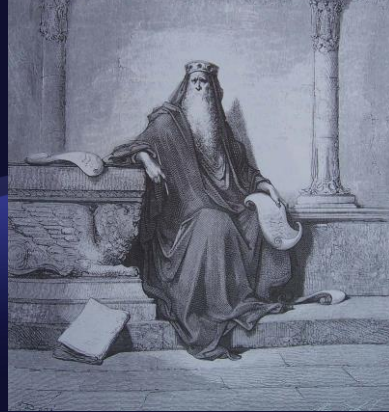


Bible

Old Testament

1 Samuel 5:12.

“ and the men that died not were smitten with emerods: and the cry of the city went up to heaven”



Colo Procto Bern 2019



Bible

Old Testament

Deuteronomy 28:27

“The LORD will smite thee with the boil of Egypt and with the hemorrhoids and with the scab and with the itch, of which thou canst not be healed. The LORD will afflict you with madness, blindness and confusion of mind “

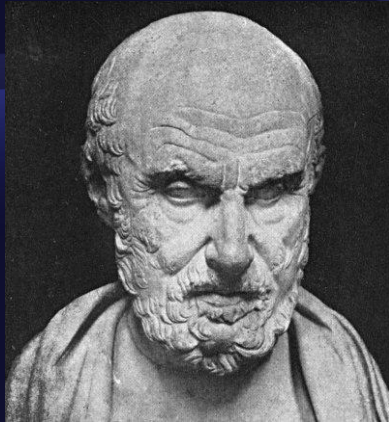
Colo Procto Bern 2019



Τῷ ἰηθέντι χρονίας αἰμορροΐδας, ἣν μὴ μία φυλαχθῇ, κίνδυνος ὕδρωπα

Hippocrate

460 - 377 B.C. describes hemorrhoids treatment



Τῷ ἰηθέντι χρονίας ἐπιγενέσθαι ἢ
φθίσιν Τῷ αἰμορροΐδας, ἣν μὴ μία
φυλαχθῇ, κίνδυνος ὕδρωπα ἰηθέντι
χρονίας αἰμορροΐδας, ἣν μὴ μία
φυλαχθῇ, κίνδυνος ὕδρωπα
ἐπιγενέσθαι ἢ φθίσιν

anal fistulas, para-anal abscesses and Seton treatment.

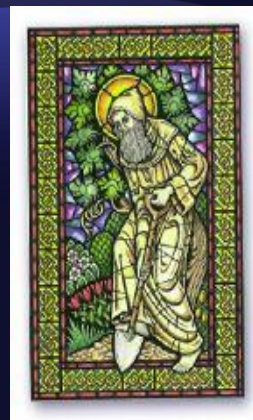
Colo Procto Bern 2019



Saint Fiacre (626-670 A.C.)



the saint with the spade
1st miracle
Chief of the gardeners
(august 30th)
2nd miracle (found a stone)
treat: condylomas
hemorrhoids
diarrhea



Colo Procto Bern 2019



Maimonides

1135 -1204



Moses ben Maimon

Jewish medical Doctor from
sultan Saladin

Cordoba

Treated hemorrhoids of Richard
Lion's Heart

Colo Procto Bern 2019

John Ardene 1307 – 1392

Father of surgery in England

Treatises of fistula in ano,
haemmorrhoids and clysters



Colo Procto Bern 2019



Louis XIV: 1638-1715



Colo Procto Bern 2019



Louis XIV

15.01.1686: peri-anal induration. Ointment with vinegar.
the King has to stay in bed

18.01.1686: spontaneous drainage. Blood-letting

23.02.1686: abscess wall is cauterised

27.02.1686: recurrence: pus is oozing. Application of
ointment and other creams

03.1686: fistula

Colo Procto Bern 2019



Louis XIV

Physicians gave different treatments: blood-letting, ointments, water enemas: no effects !!!

Felix: barber and surgeon of the king

Went to Italy to learn the technique of fistulotomy

Trained on prisoners (healthy and with fistulas !)

Colo Procto Bern 2019



Louis XIV

18.11.1696: operation !!!



In the operating room:

Faculty: M. Bessières, Daquin, Fagon, Louvois

Barber: M. Felix, Larray (assistant)

Clergy: Père La Chaise

„nurse“: Mme. De Maintenon, Marquise
(king's mistress)



Colo Procto Bern 2019

Louis XIV

07.12.1696: debridement

27.12.1696: Barège water irrigation

01.1696: healed

Felix: 300'000 livres / domain of the Moulineaux / noble / King's Surgeon

Daquin: 100'000 livres

Fagon: 80'000 livres

Larray: 400 pistoles

Colo Procto Bern 2019



Louis XIV / Louis XV

Before 1730: Collège chirurgical de Saint Come (under control of the faculty of Medicine)

1730: surgeons are independent for:

- wound treatment
- fractures
- luxations
- ulcus treatment
- tumors
- teaching and diploma delivery

Spring 1730: protest of the physicians

17.09.1730: Académie Royale de Chirurgie (Lapéronie)

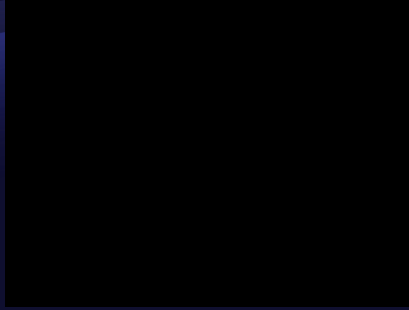
Colo Procto Bern 2019



1686 Lully

Composed "grand Dieu sauve le Roi"

To celebrate the healing of the King from his fistula



28 years later Haendel made a translation of this hymn who became God save the king or the Queen

Colo Procto Bern 2019



Napoleon: 1769 - 1821

Waterloo: June 18th 1815

Napoleon had a hemorrhoidal thrombose

the soldiers: „ la bataille est perdue car l'empereur nous abandonne...”

N. Bonaparte: 32'000 died

Wellington: 15'000 died



Colo Procto Bern 2019

St Mark's Hospital

1835



Frederick Salmon



Colo Procto Bern 2019

1979-1980 Dr. med. Alexander Neiger, Bern (†)

1981-1982 Prof. Dr. med. Marc-Claude Marti, Genève (†)



Schweizerische Arbeitsgruppe für Koloproktologie

Groupe suisse d'etudes coloproctologiques

Gruppo svizzero die Studio per coloproctologia

Swiss study group for coloproctology

40 years



Colo Procto Bern 2019

Anciens présidents

1979-1980 Dr. med. Alexander Neiger, Bern (†)
 1981-1982 Prof. Dr. med. Marc-Claude Marti, Genève (†)
 1983-1984 Dr. med. Charles Baerlocher, Basel
 1985-1986 Prof. Dr. med. Fritz Nöthiger, Bern (†)
 1987-1988 Dr. med. Hansjürg Nüesch, St. Gallen
 1989-1990 Prof. Dr. med. Jean-Claude Givel, Lausanne
 1991-1992 Dr. med. François Meyer, Fribourg
 1993-1994 Prof. Dr. med. Peter Buchmann, Zürich
 1995-1996 Dr. med. Sergio Arma, Mendrisio
 1997-1998 Dr. Michel Voirol, Yverdon-les-Bains
 1999-2000 PD Dr. Christoph Ackermann, Basel
 2001-2002 Dr. Jean-Pierre Dederding, Genève
 2003-2004 PD Dr. Bruno Roche, Genève
 2005-2006 Dr. Helen Schaufelberger Lugano
 2007-2008 Prof. Dr. Nicolas Demartines, Lausanne
 2009-2010 Dr. Paul Wiesel, Lausanne
 2011-2012 Prof. Dr. Lukas Degen, Basel
 2013-2014 Prof. Dr. Franc Hetzer, Schaffhausen
 2015-2016 PD Dr. Daniel Dindo, Zürich

Colo Procto Bern 2019

39. Schweizerische Koloproktologie-Tagung
 39^{ème} Journée Suisse de Coloproctologie
 13. Januar 2018, Bern | 13 Janvier 2018, Berne

KOMPLIKATIONEN UND KATASTROPHEN COMPLICATIONS ET CATASTROPHES

WORKSHOPS

AIN Diagnostik und Therapie
 AIN: Diagnostique et traitement
 Kolonkarzinom-Update
 Update sur le cancer du colon



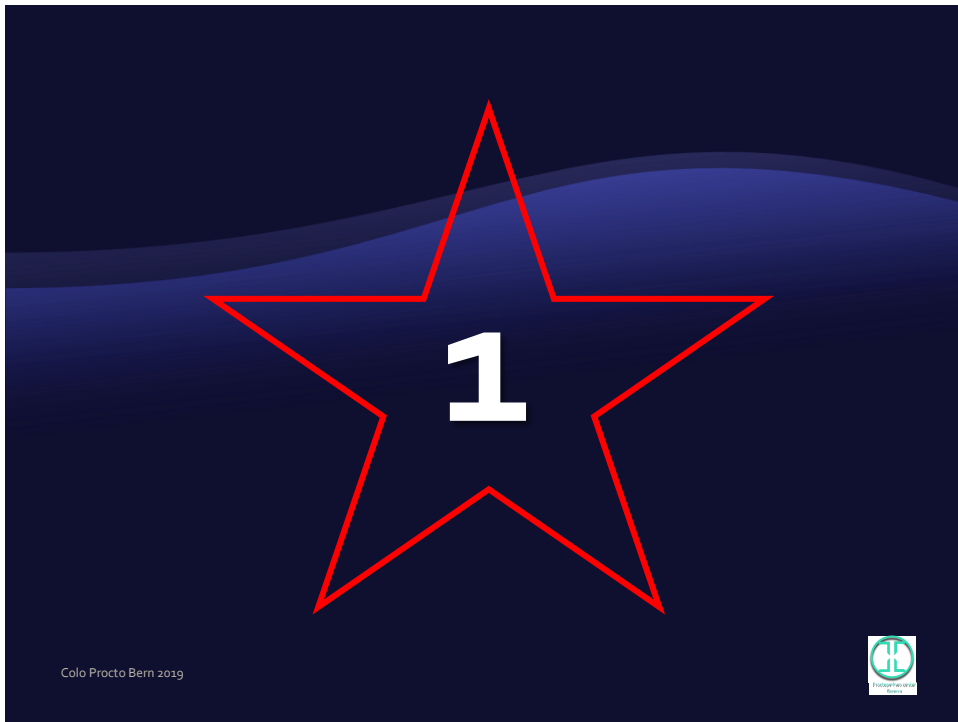
SCHWEIZERISCHE ARBEITSGRUPPE FÜR KOLOPROKTOLOGIE
 GROUPE SUISSE D'ETUDES COLOPROCTOLOGIQUES
 GRUPPO SVIZZERO DI STUDIO PER LA COLOPROCTOLOGIA
 SWISS STUDY GROUP FOR COLOPROCTOLOGY

www.coloproct.ch

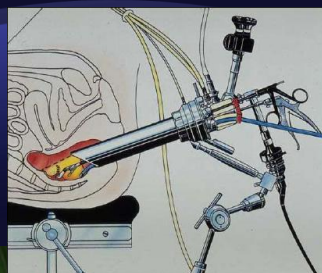
Top 7 improvements in coloproctology 20th century



Colo Procto Bern 2019



Endoscopy Laparoscopy mini invasive surgery

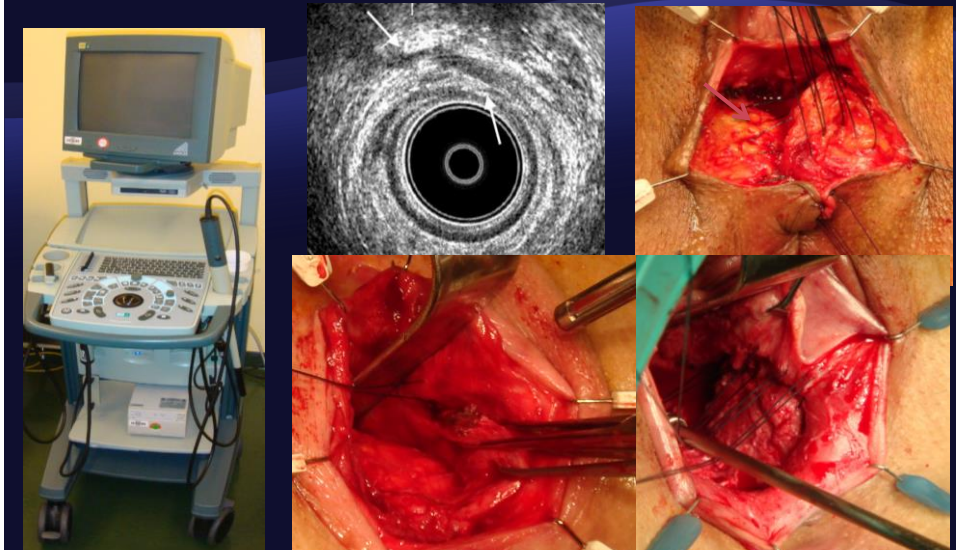


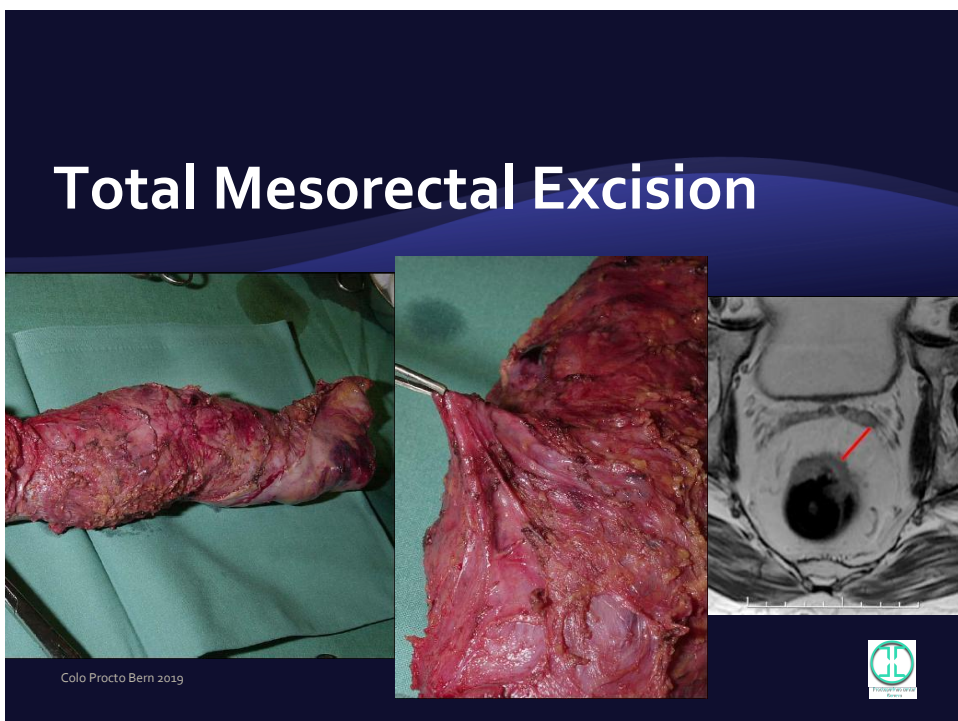
Colo Procto Bern 2019





Ultrasonography (US) Sphincteroplasty Perineal repair





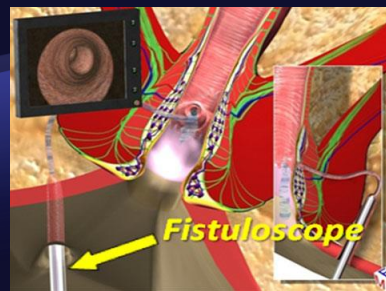
4

Colo Procto Bern 2019



Fistula treatment

- ♦ Imaging (echography)
- ♦ Sparing sphincter
- ♦ Low recurrence
- ♦ Endo fistuloscopy
- ♦ Occlusion treatment



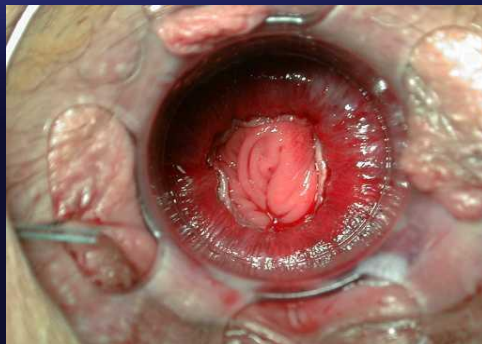
Colo Procto Bern 2019

5

Colo Procto Bern 2019



Longo anopexy



Colo Procto Bern 2019





Colorations

Infra-red light (green)

Standard Light

A

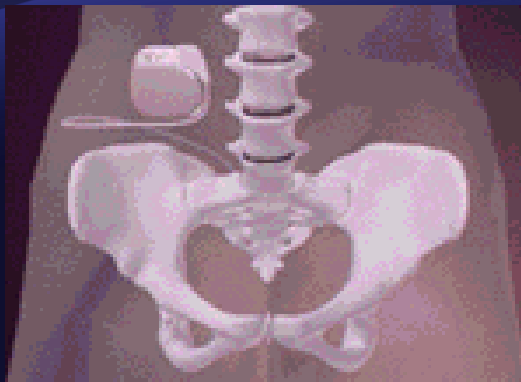
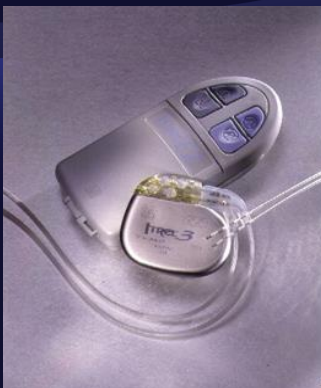
Near Infra-Red Light

B

Colo Procto Bern 2019

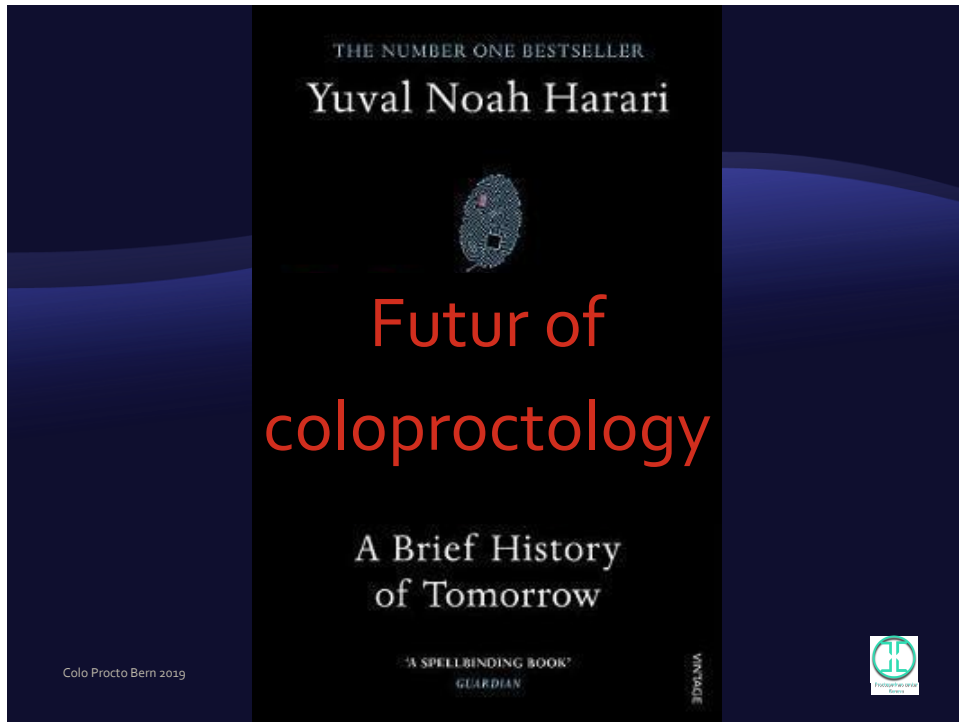


Sacral Neuromodulation



Colo Procto Bern 2019





Specific clinical conditions

Geriatric population

Patient education for risk factors

Social impact of proctoperineal diseases

Cost for the society

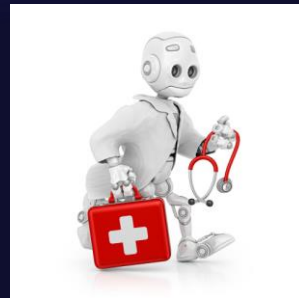
Pathophysiological and behavioral aspect

Better knowledge of incidence

- epidemiological studies

Population information

- media
- conventions
- patients groups
- politicians



Colo Procto Bern 2019

Research priorities

Randomized controlled trials

- evaluate long term results

Optimize existing therapies

- improve mini invasive treatments
- improve pain control

Optimize prevention

- Delivery, straining, Rx TT, surgery

Colo Procto Bern 2019

Treatment related issues

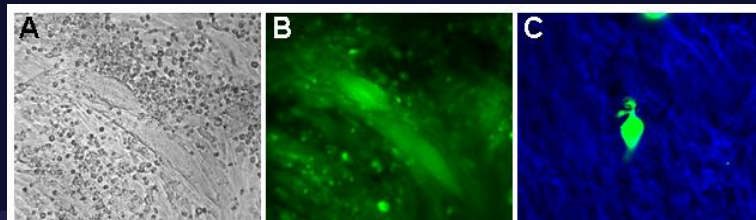
Use of artificial intelligence algorithms

- for effectiveness
- therapeutic validation
- benefit of (combined) therapy



- Miniaturized devices
- Dynamic investigations
- Selective neuromodulation
- Specific molecules

Colo Procto Bern 2019



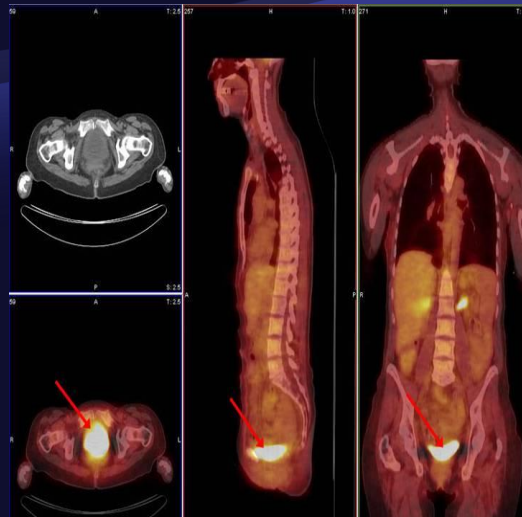
Development of novel treatments

- Stem cells therapies
- Genetics therapies
- Auto biologics tissues



Colo Procto Bern 2019

Patient 62 Yold Pain in the bottom



Colo Procto Bern 2019

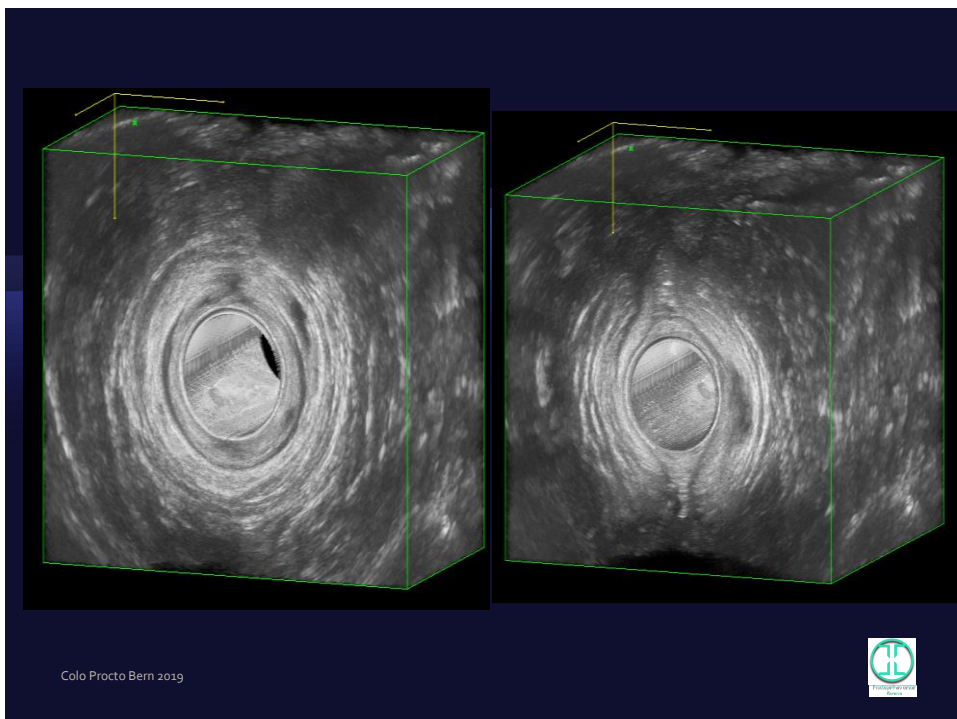
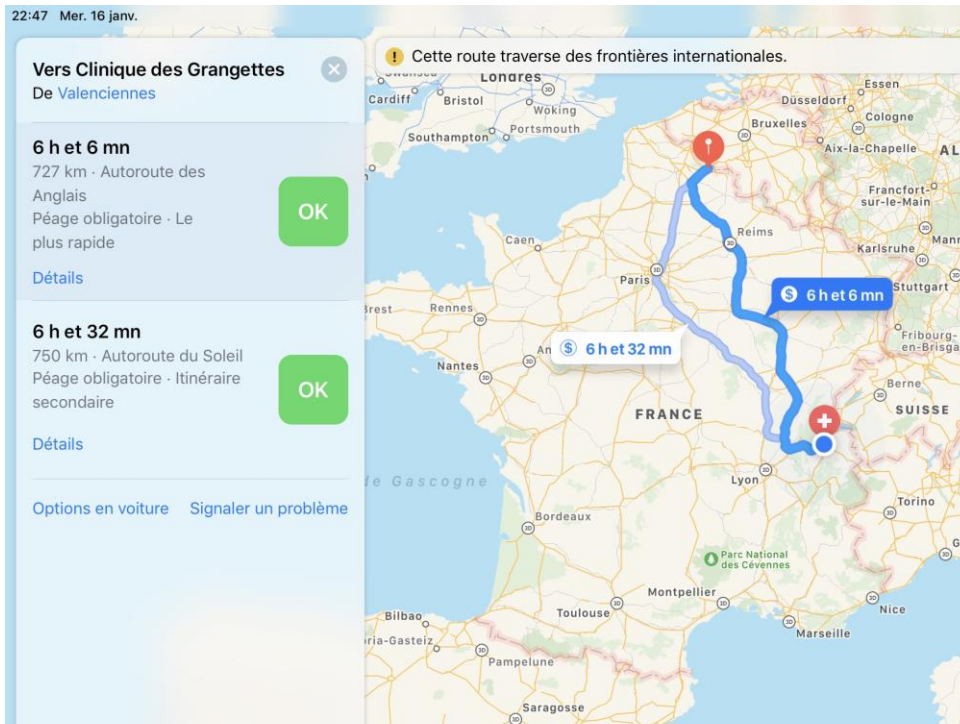


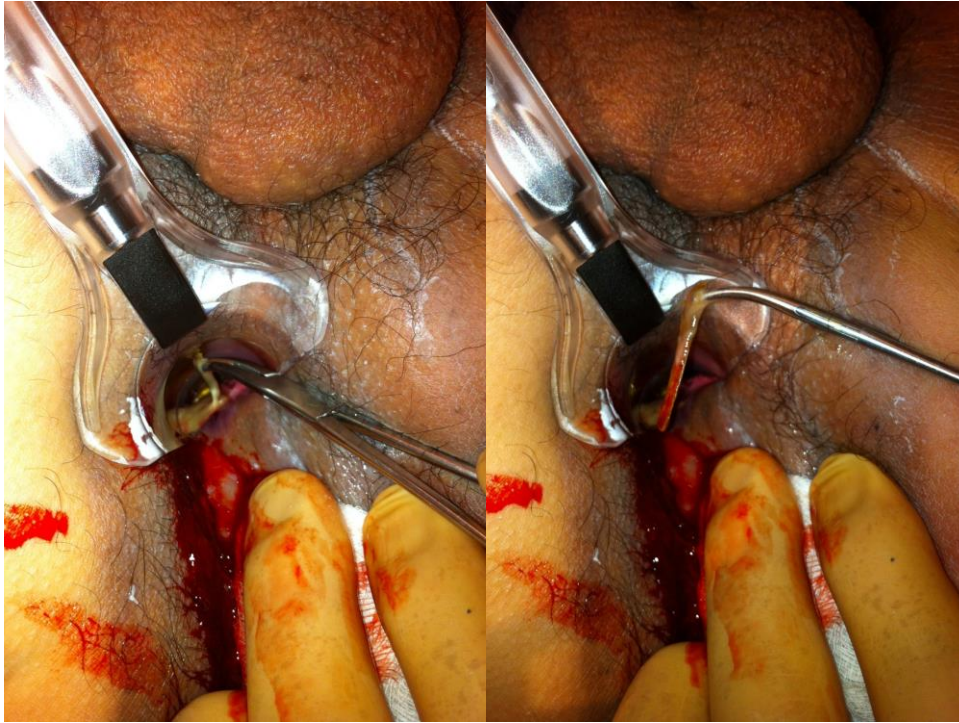
- ◆ Gastroenterologist endoscopy: Normal
- ◆ Surgeon abdominal examination: Normal

Still uncomfortable in the perineum decide to come to Geneva

Colo Procto Bern 2019







**My eyes, my fingers and my echography
= reality**





Schweizerische Arbeitsgruppe für Koloproktologie
Groupe suisse d'études coloproctologiques
Gruppo svizzero di Studio per coloproctologia
Swiss study group for coloproctology



Tempora mutantur et nos mutamur in illis