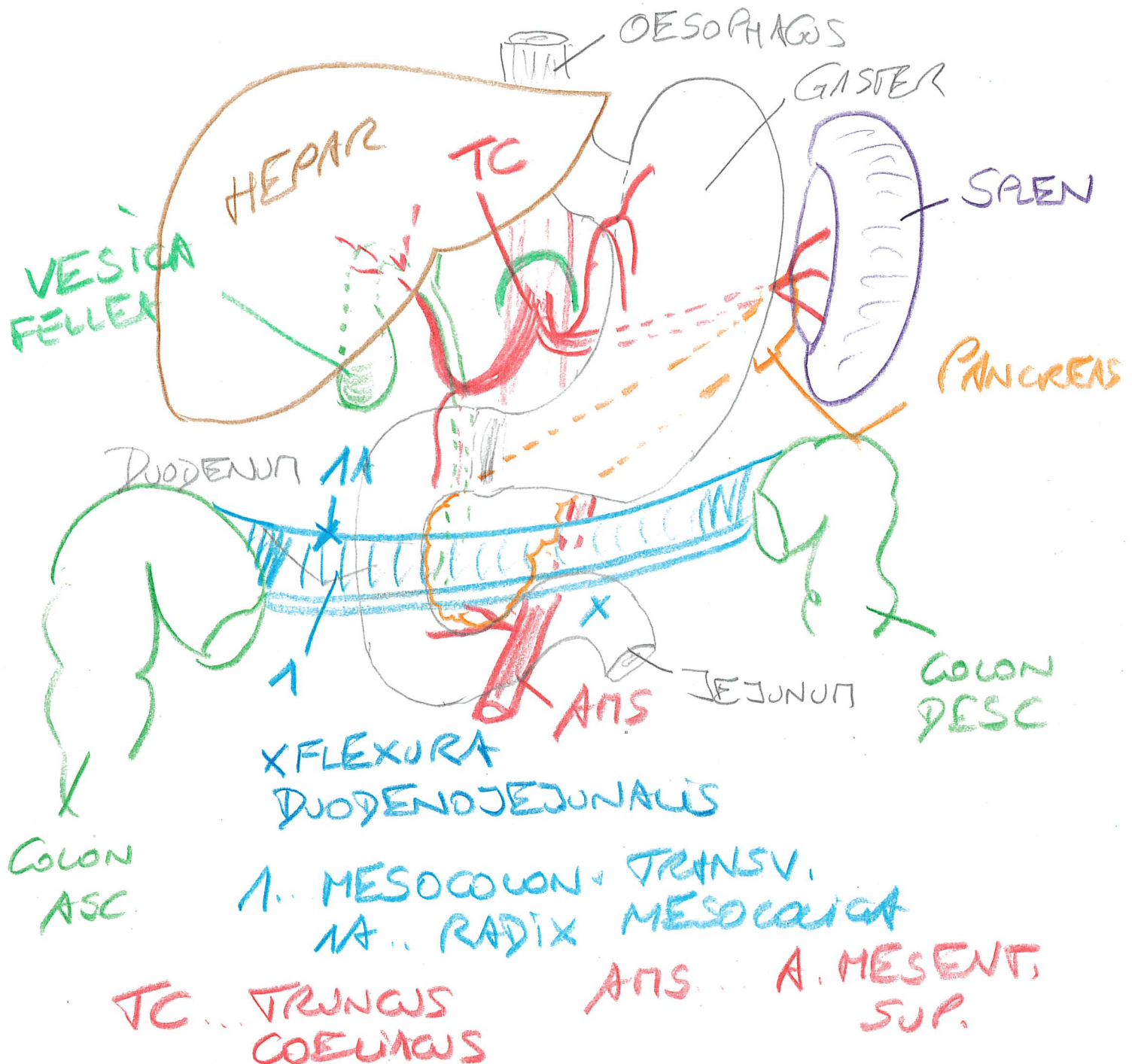
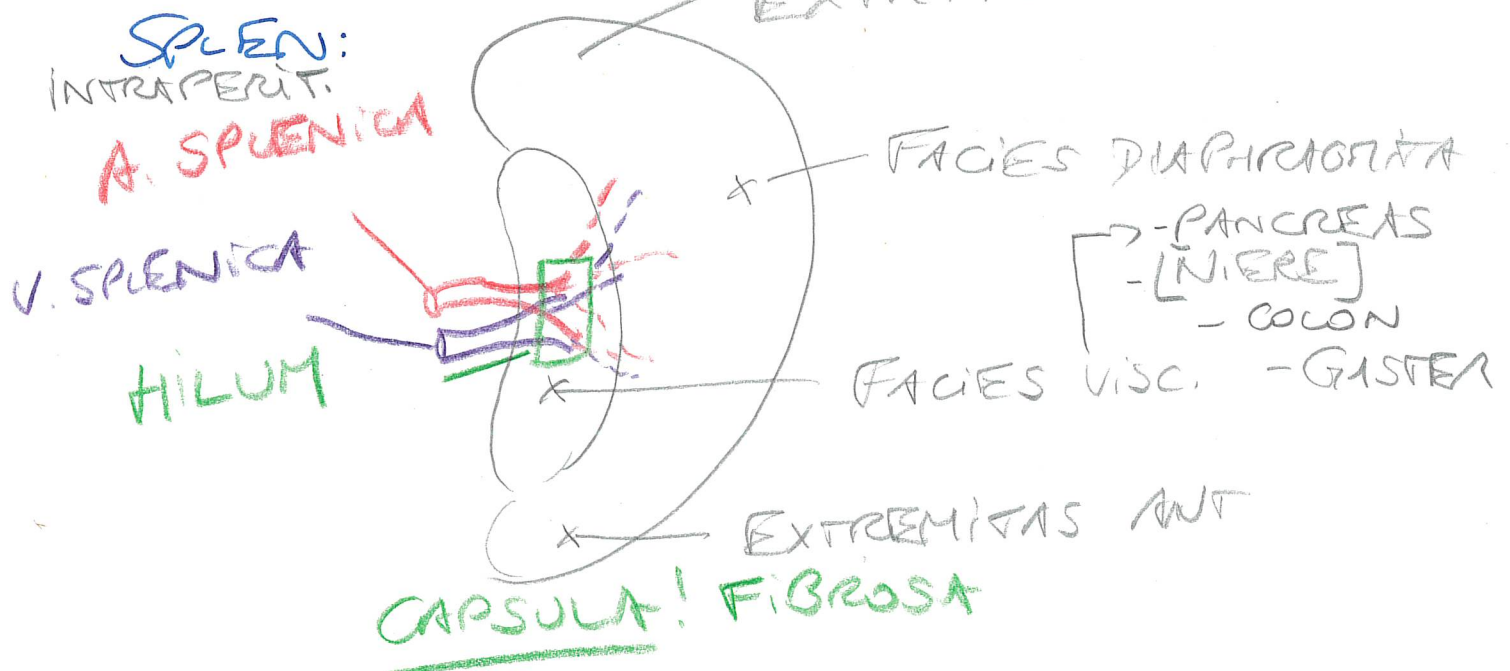
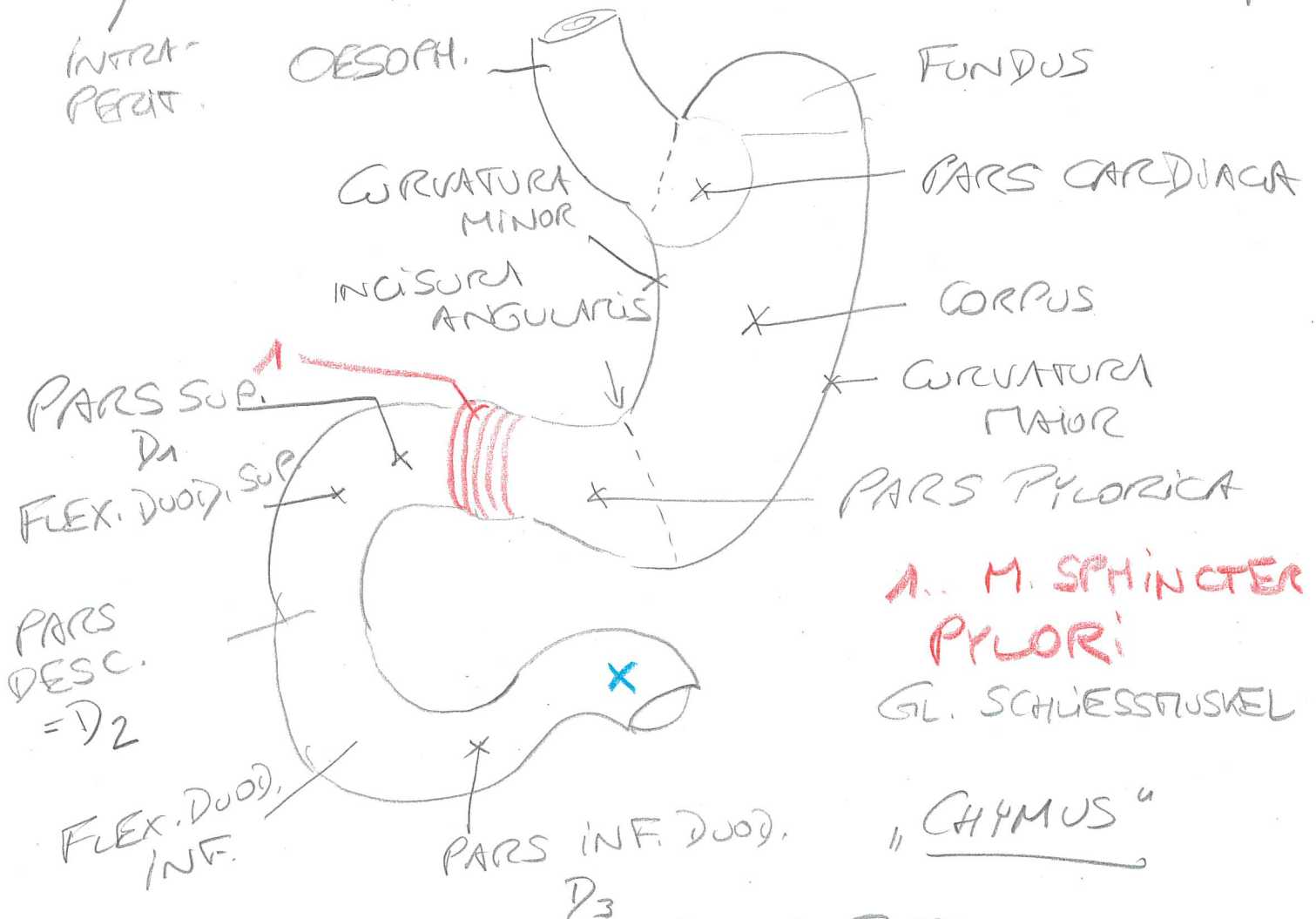


OBERBAUCH:

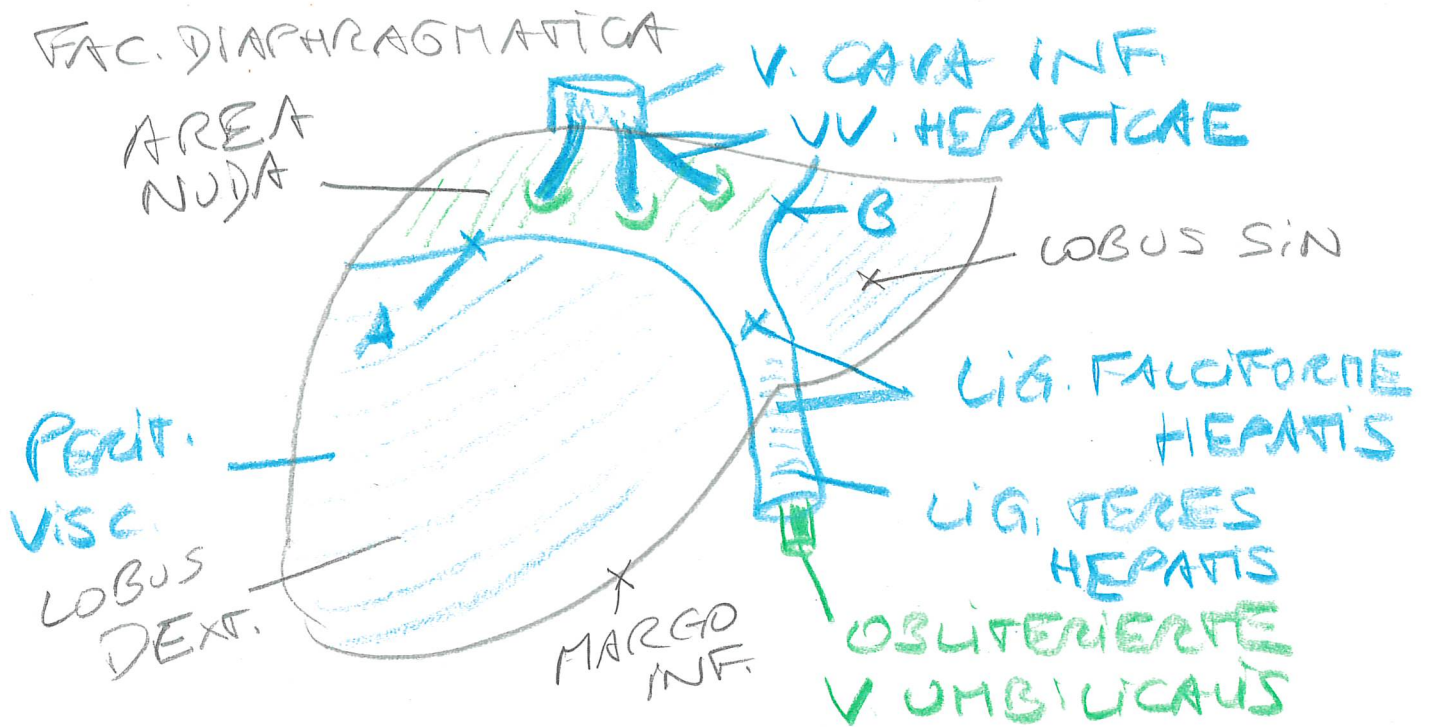


GASTRER et DUODENON

SEM. RETROPERIT.

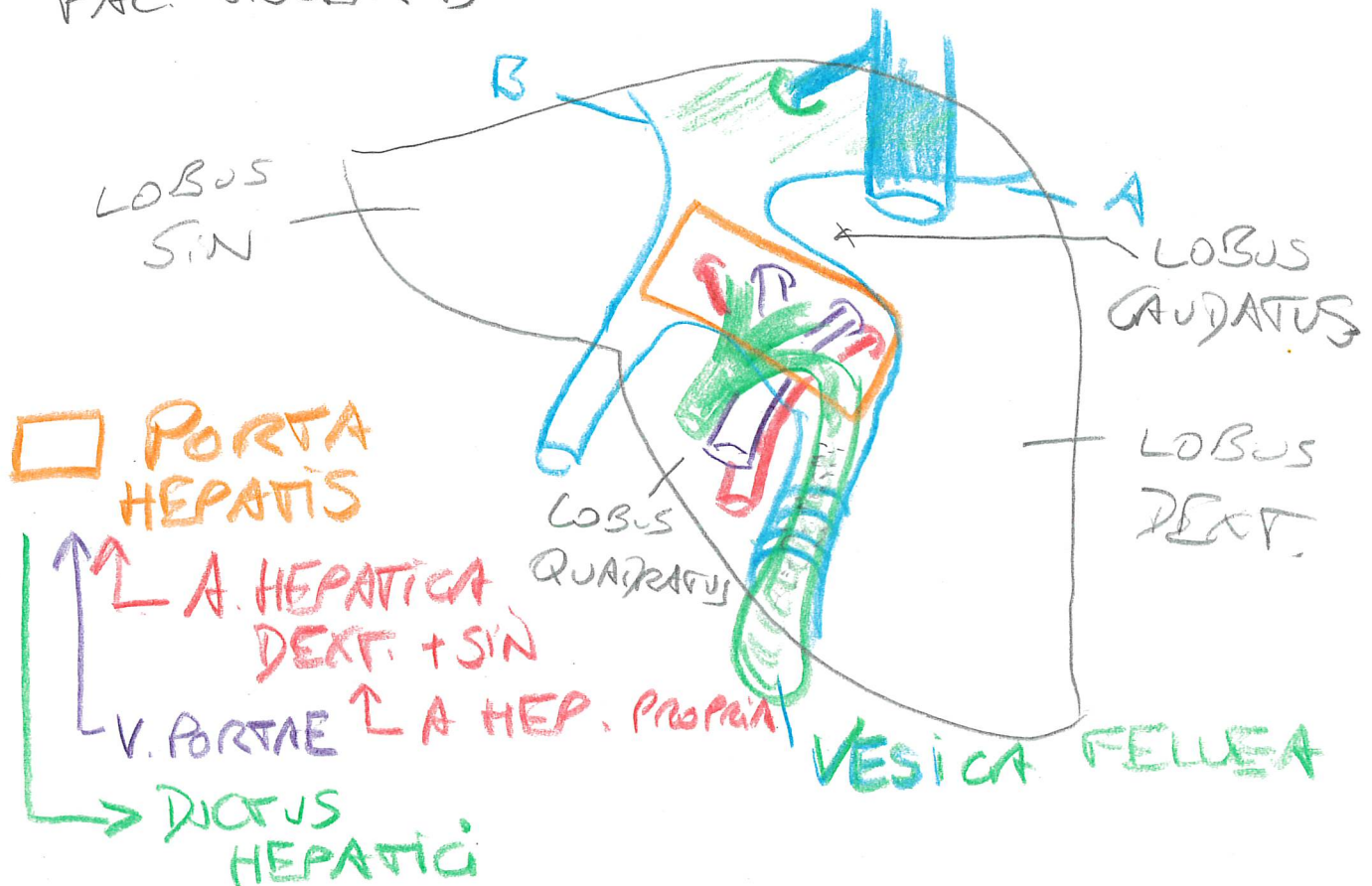


HEPAR: INTRAPERIT.



A... LIG. TRIANGULARE DEXT. } LIG. CORONARIUM
 B... LIG. - " - SIN

FAC. VISCERAS



LEBER: FKT.:

STOFFWECHSEL:

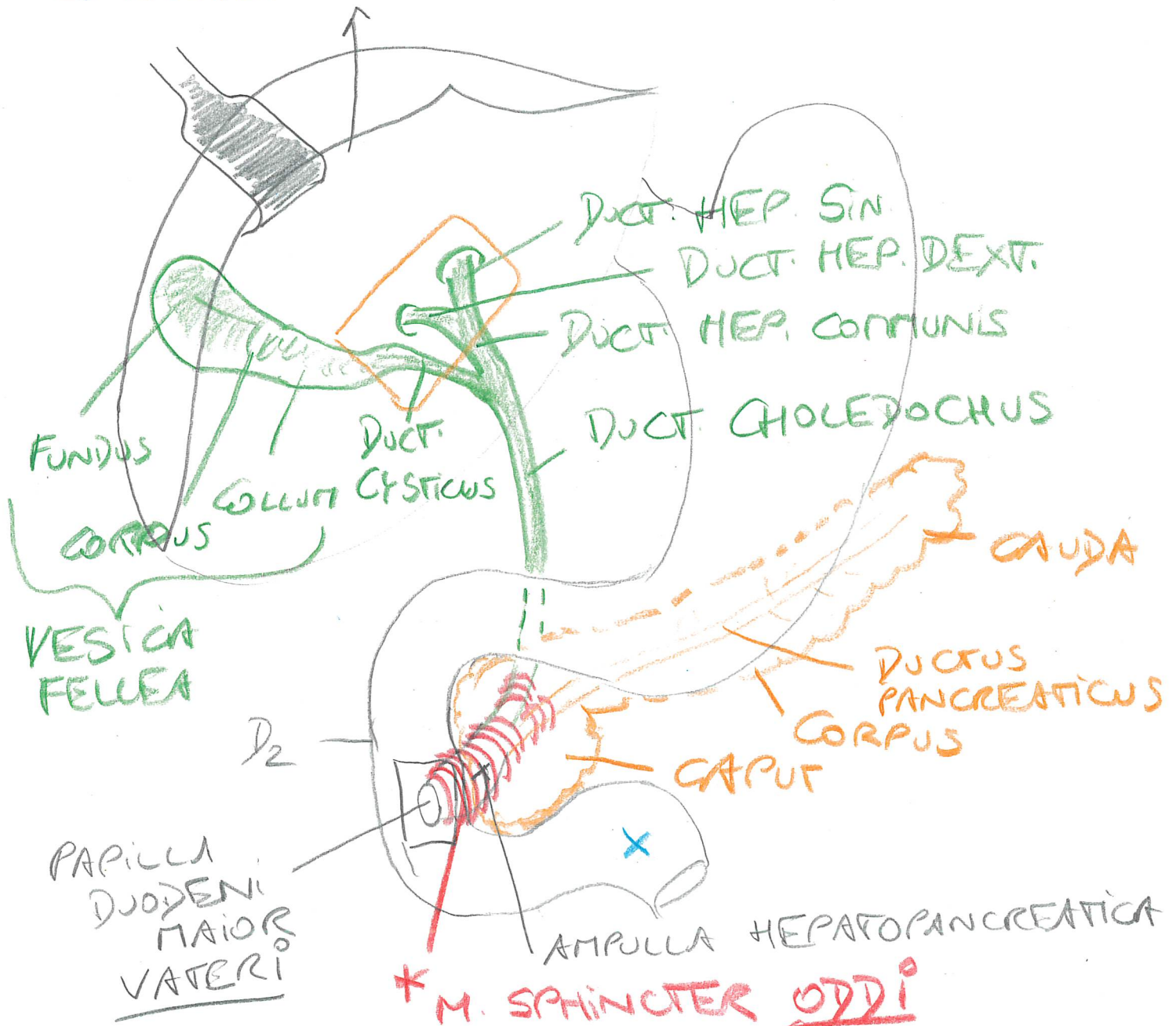
GALLENPROD.

ENTGIFTUNG

BLUTGERINNUNGSAKT.

ALBUMIN

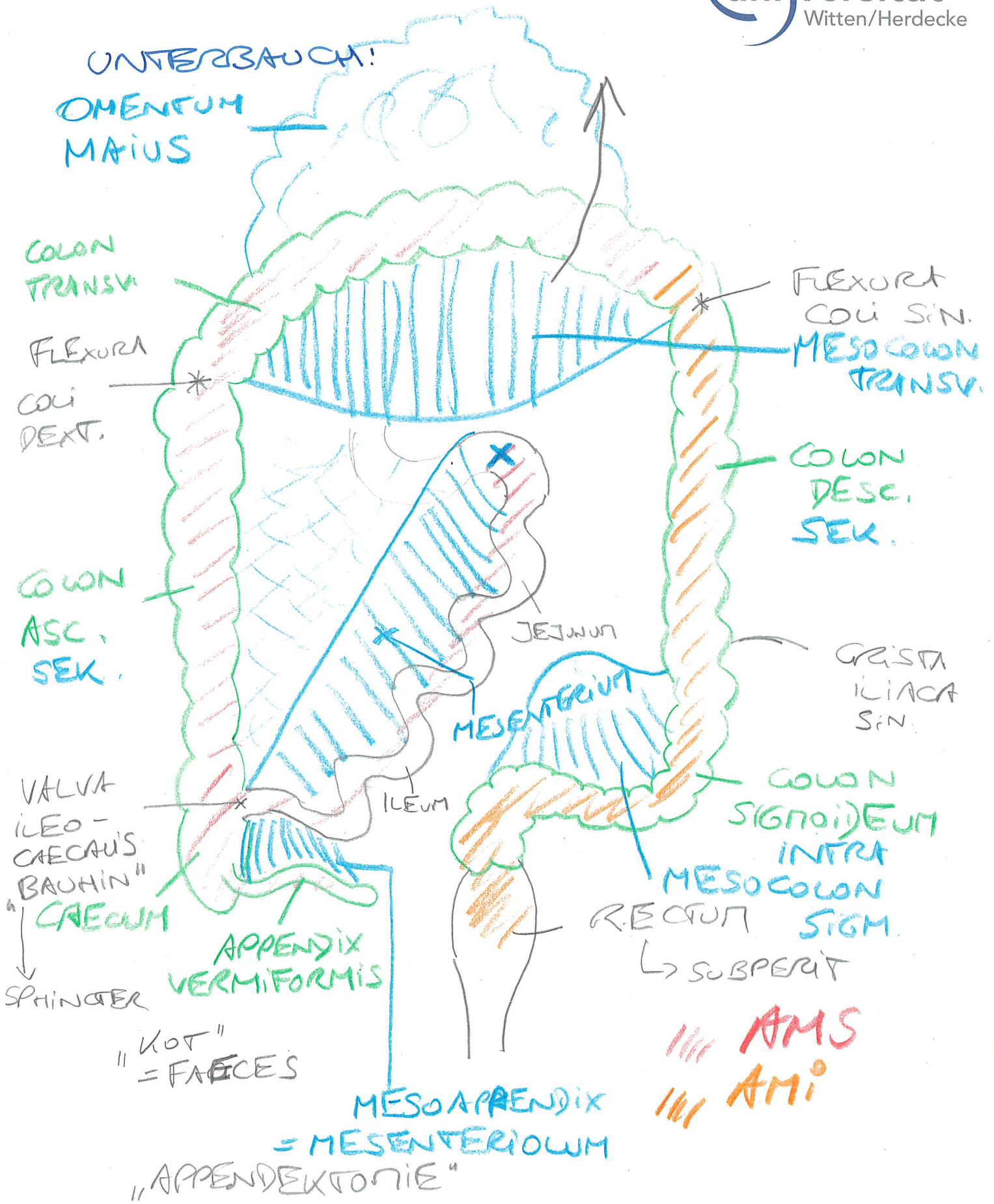
EXTRAHEPATISCHE GALLENWEGE + PANCREAS



PANCREAS: EXOKRIN: VERDAUUNGSENZYME

ENDOKRIN: "INSULAE PANCREATICAE" [CORPUS, LANGERHANS] [CAUDA]
[HORMON]

INSULIN $\leftrightarrow$ GLUCAGON



DUODENUM:

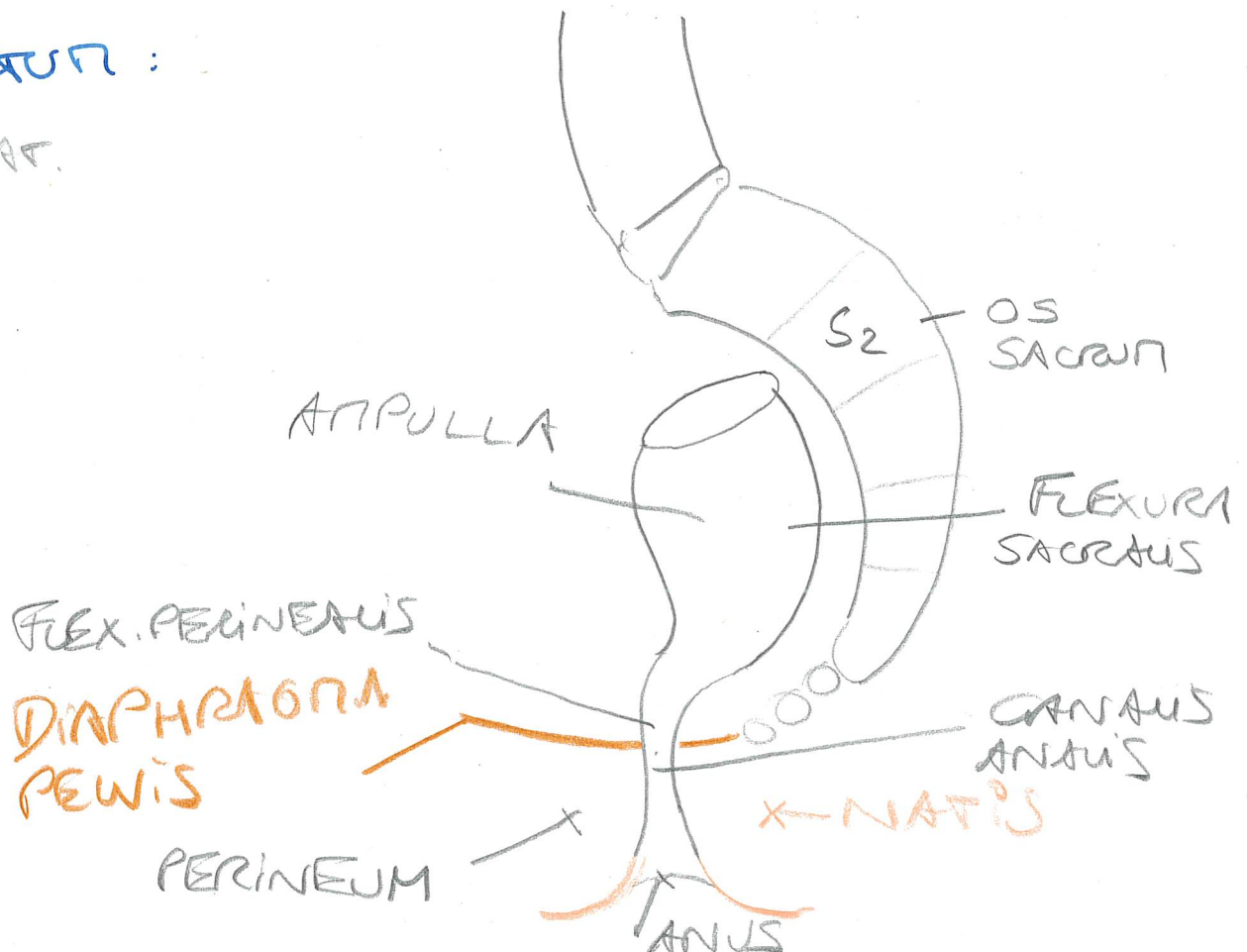
- ↳ Plicae circulares: 2cm
2,5x
- ↳ Villi intestinales: "Zotten"
2mm
20x
- ↳ Mikrovilli: Darmepithel.
100x

ILEUM: Folliculi
 Lymphatici aggregati
 = PEYER'S PACHETS

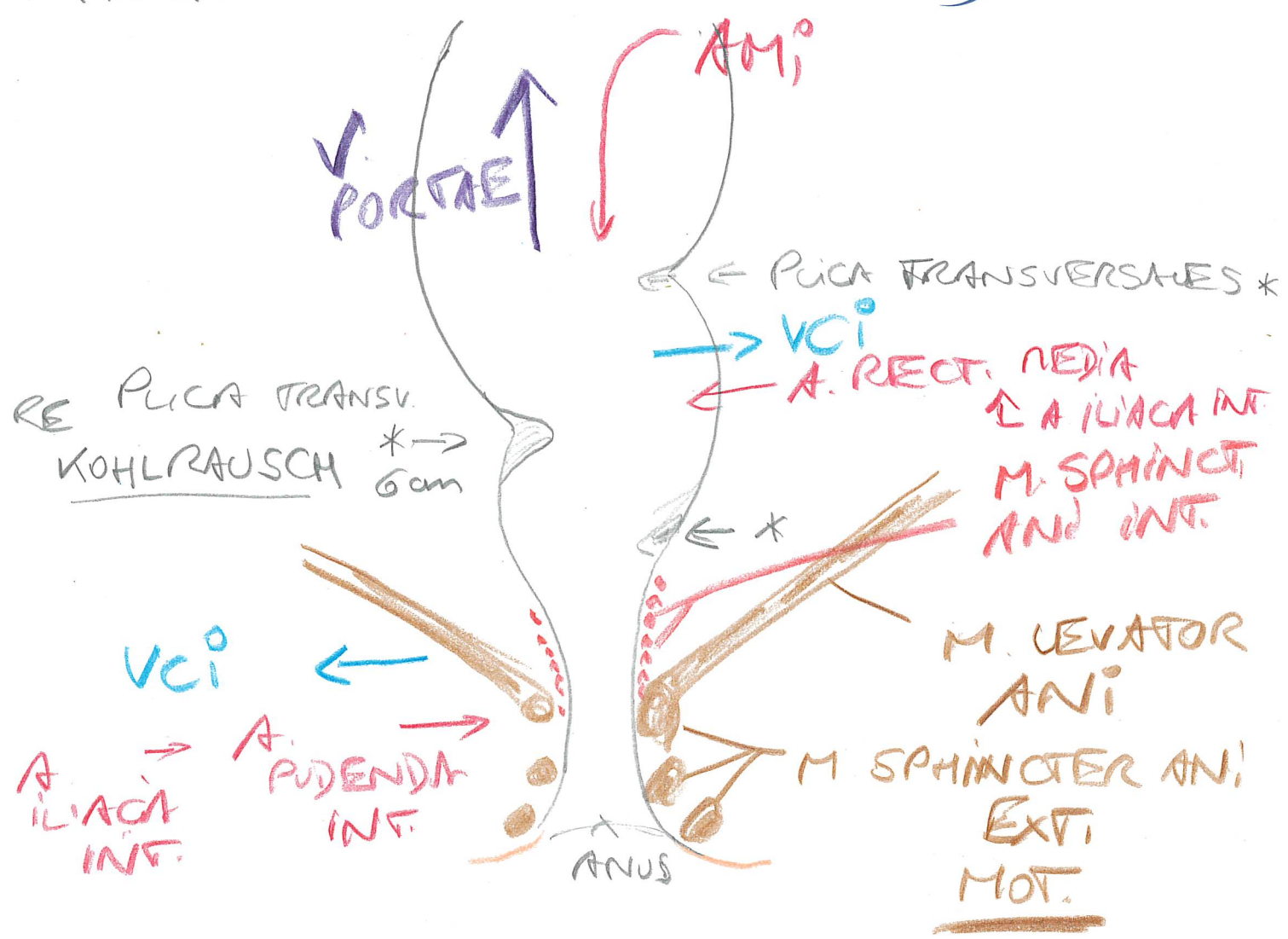
COLON: HAUSTRAE
 Plicae serilunares
 TAENIAE: LÄNGENBÜSCH. [AUSSEN]
 APPENDICES EPICLOICAE

RECTUM:

V. LAT.



RECHNUNG v. VO



Übersicht Tractus urogenitalis

1. Harntrakt:

- a. Harnbereitende Organe: Ren (Niere [paarig])
 - b. Harnableitende Organe:
 - i. Pelvis renalis (Nierenbecken [paarig])
 - ii. Ureter (Harnleiter [paarig])
 - iii. Vesica urinaria (Harnblase)
 - iv. Urethra feminina (Harnröhre)
- } UNPAAR
+ MASculINA

2. Geschlechtstrakt:

a. Weibliche Geschlechtsorgane

- i. Äußere Geschlechtsorgane
 - 1. Vestibulum vaginae (Scheidenvorhof)
 - 2. Urethra feminina (Harnröhre)
 - 3. Clitoris (Kitzler)
 - 4. Labia minora (kleine Schamlippen)
 - 5. Labia maiora (große Schamlippen)
 - 6. Glandulae vestibulares (Vorhofdrüsen)
- ii. Innere Geschlechtsorgane
 - 1. Ovar (Eierstock)
 - 2. Tuba uterina (Eileiter)
 - 3. Uterus (Gebärmutter)
 - 4. Vagina (Scheide)

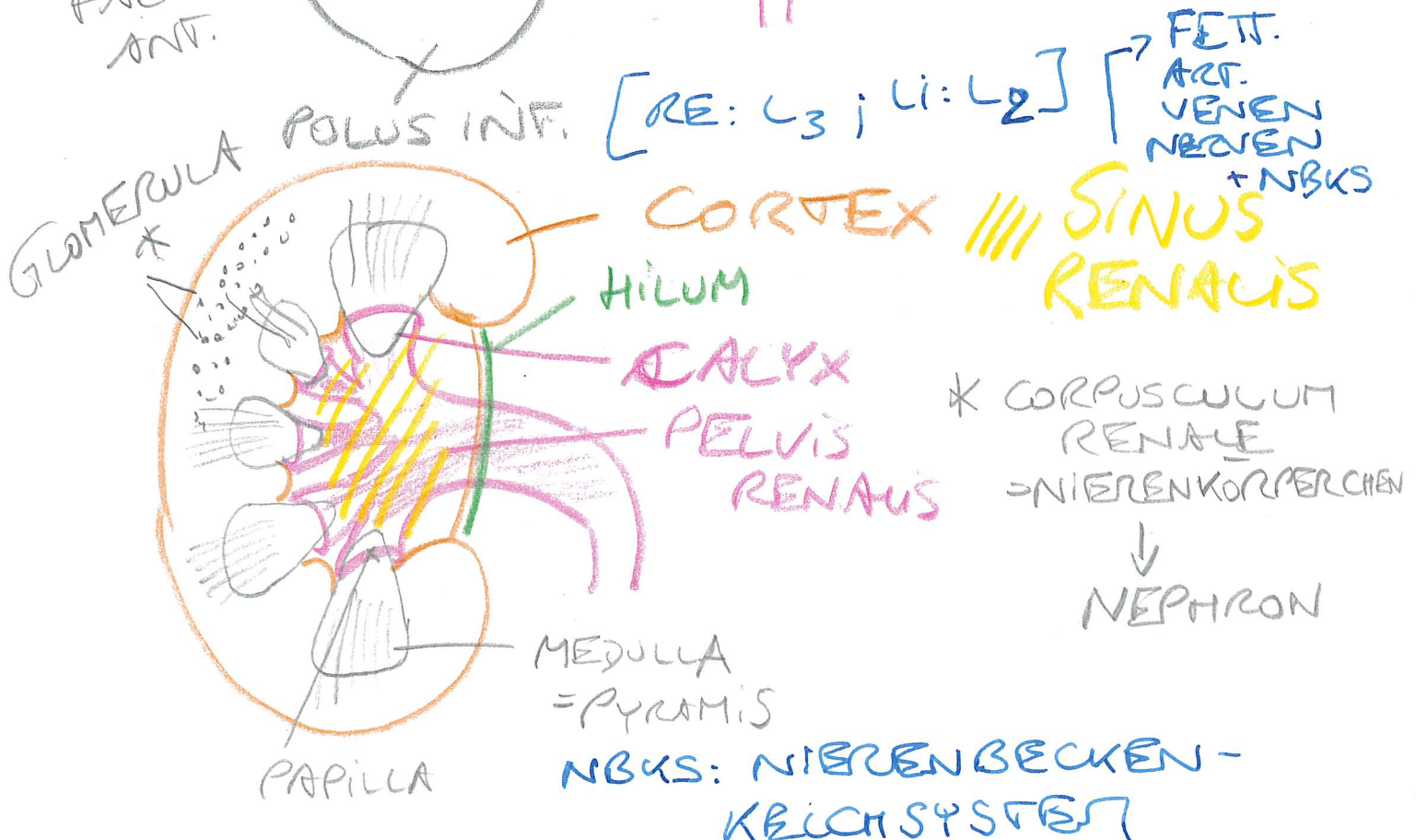
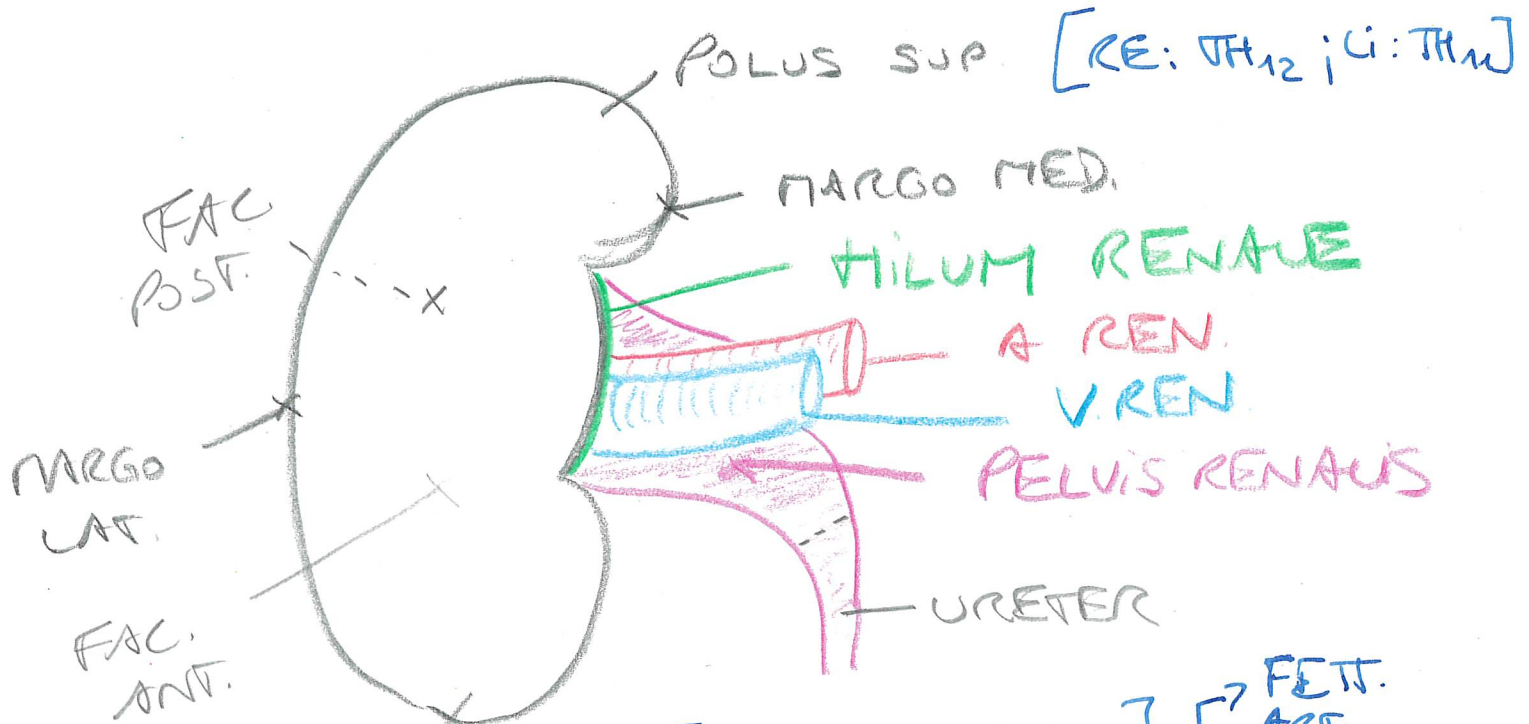
b. Männliche Geschlechtsorgane

- i. Äußere Geschlechtsorgane
 - 1. Penis (männliches Glied)
 - 2. Urethra masculina (Harnröhre)
 - 3. Scrotum (Hodensack)
- ii. Innere Geschlechtsorgane
 - 1. Testis (Hoden)
 - 2. Epididymis (Nebenhoden)
 - 3. Ductus deferens (Samenleiter)
 - 4. akkz. Geschlechtsdrüsen
 - a. Prostata (Vorsteherdrüse)
 - b. Vesicula seminalis (Bläschendrüse)
 - c. Gll. Bulbourethrales (Cowper-Drüsen)

TRAGUS URINARIUS:

REN: ^{Primär} ~~EX~~TRAPERITONEAL
= RETROPERIT.

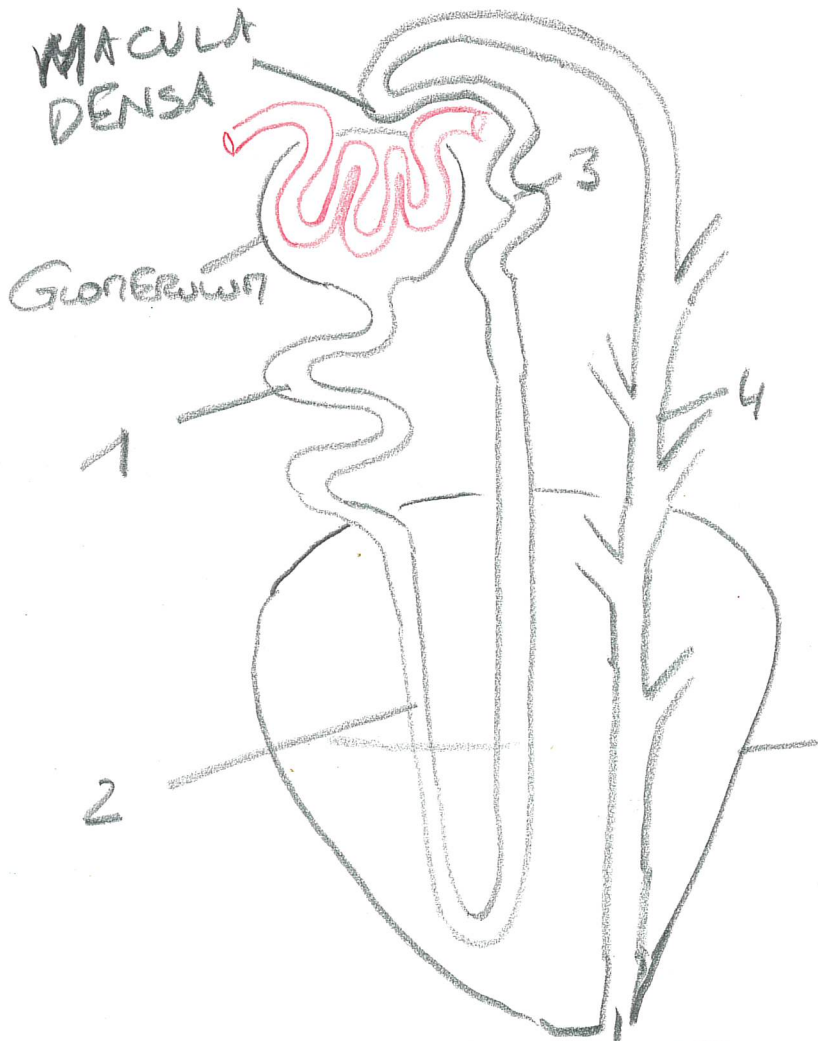
RE NIERE v. Vo



NEPHRON:

PRIMÄRHARN:

120-150 l / TAG



- 1... PROX. TUBULUS
- 2... HENLE-SCHLEIFE
- 3... DIST. TUBULUS
- 4... SAMMELROHR
 ↳ H₂O
 ADH

MEDULLA

↓ SEKUNDÄRHARN: 1,5 l

Fkt.:

HARNPRODUKTION

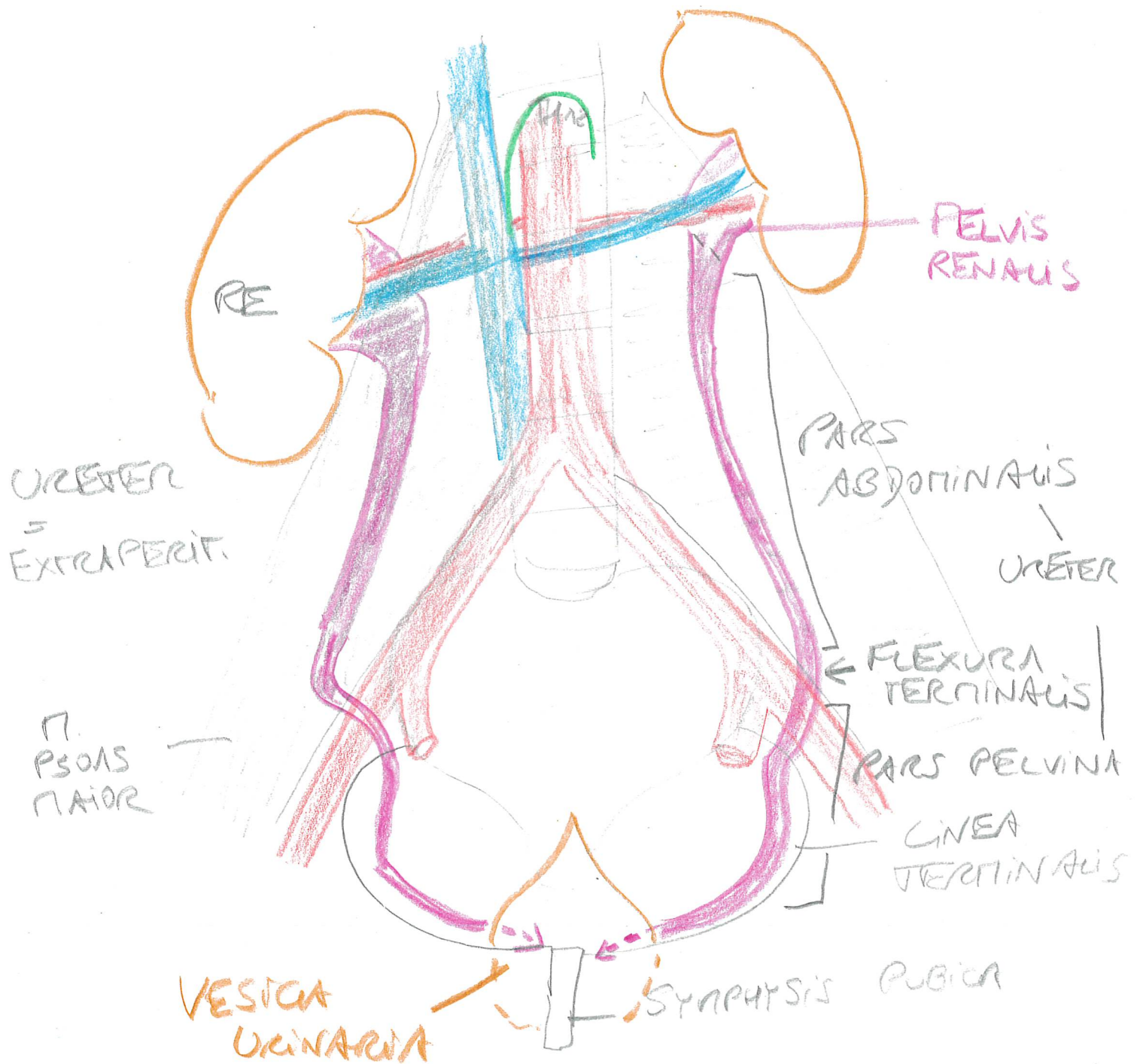
AUSSCHIEDUNG HARNPFLICHTIGER
 SUBST.

BLUTDRUCK

WASSER- und ELEKTROLYT

PH-WERT

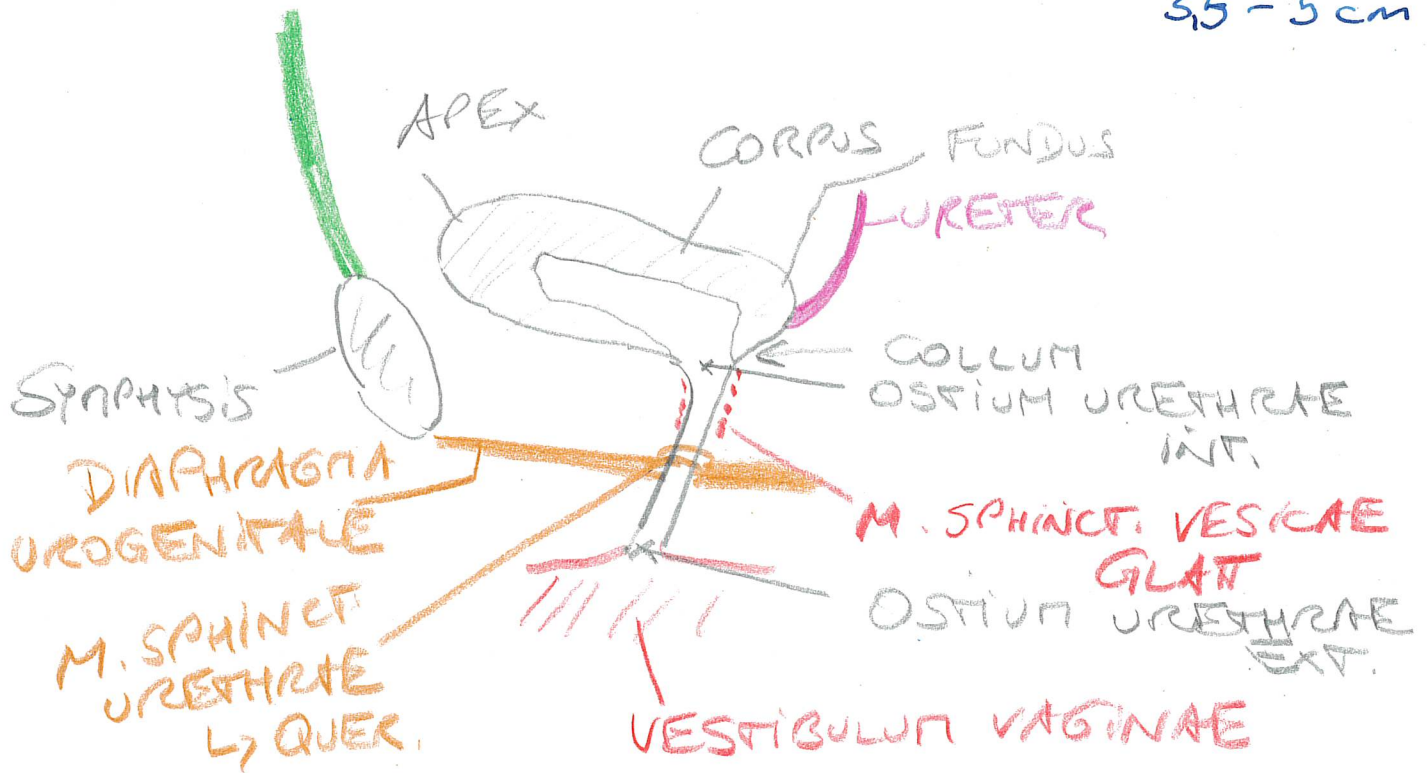
HARNABFÜHRENDE WEGE



VESICA URINARIA + URETHRA

♀

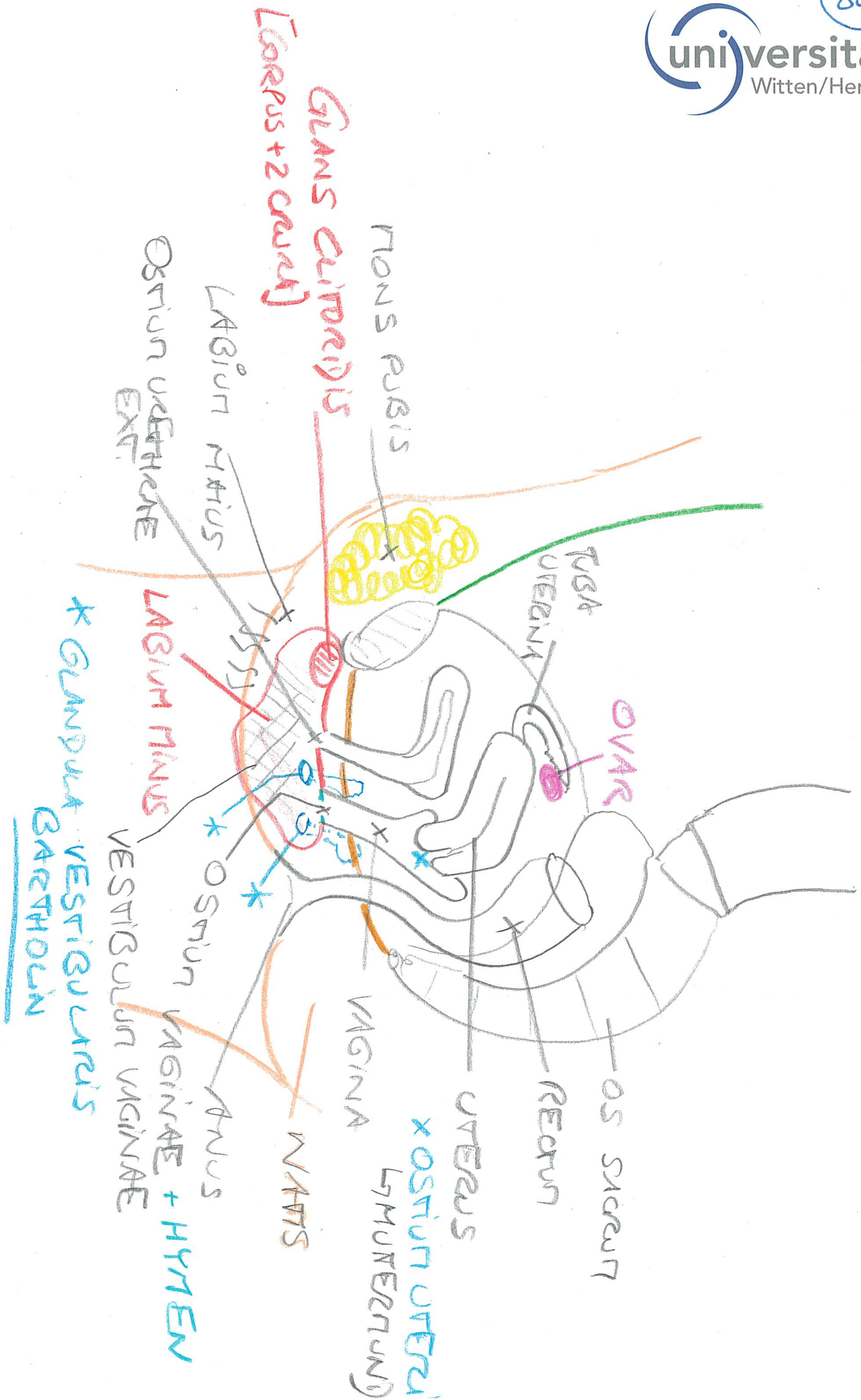
3,5 - 5 cm

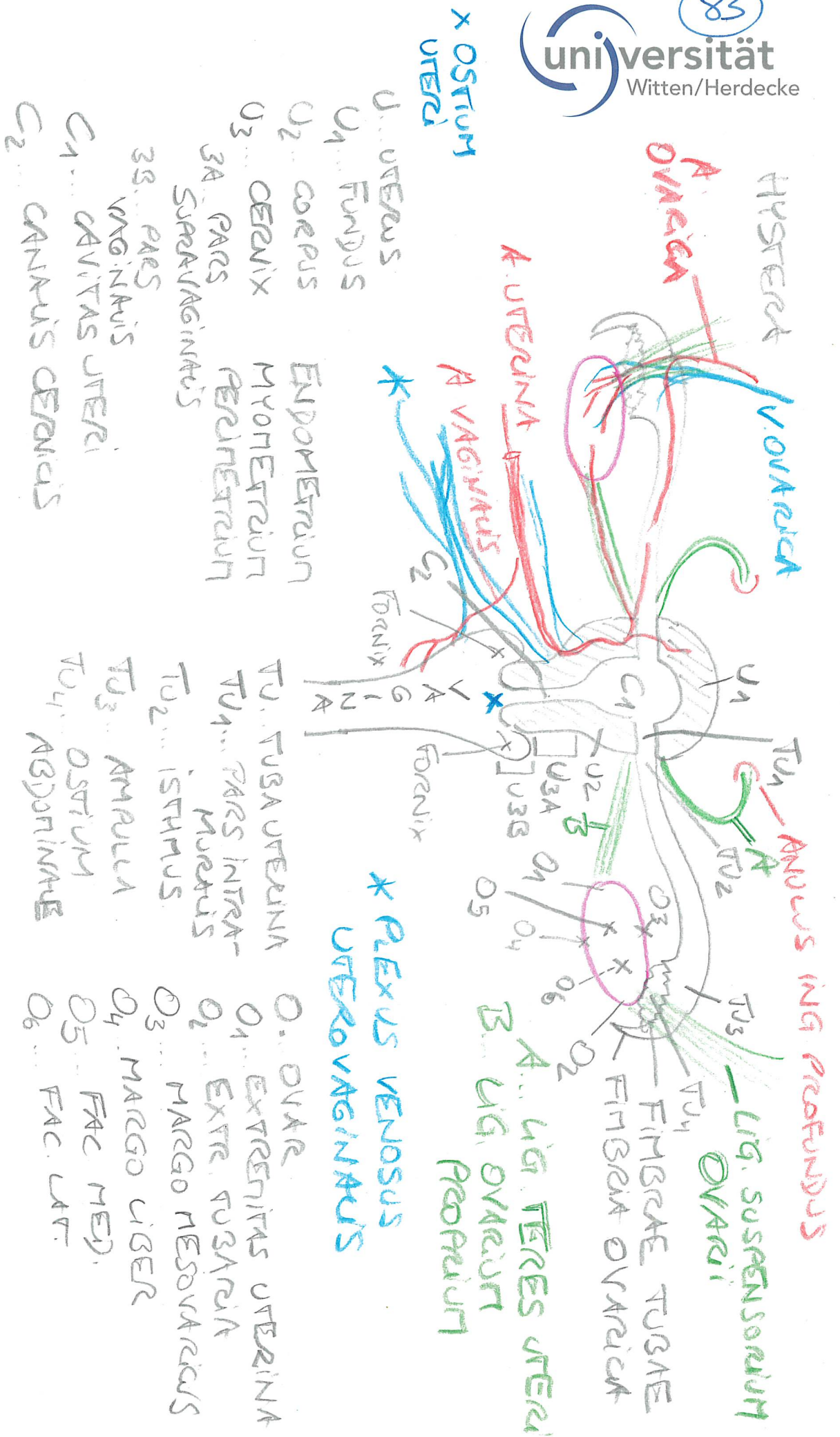


TRAGUS GENITALIS FEMININUS

* ORGANA EXT.: "VULVA"

* ORGANA INT.: "HYSTERA"

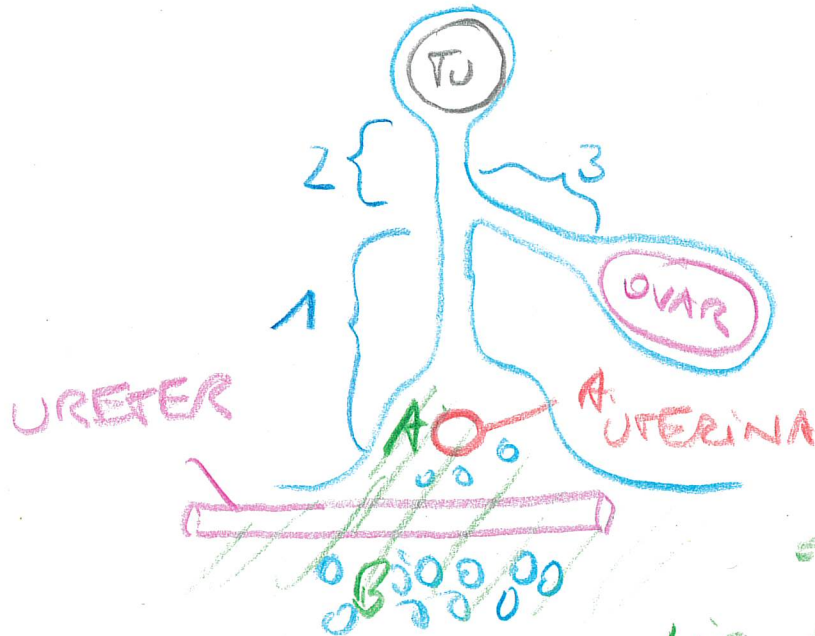




UTERUS + ADNEXE [TU + O]

teilweise INTRAPERITONEAL

PARAMEDIAN



→ PERSONEN,

1-3. LIG. LATUM UTERI

1... MESOMETRIUM

2... MESOSALPINX

3... MESOVARIUM

PARA'S

= BECKENBINDEGEW.

LIG. CARDINALE -

= HAUPTPFEILER

A... PARAMETRIUM

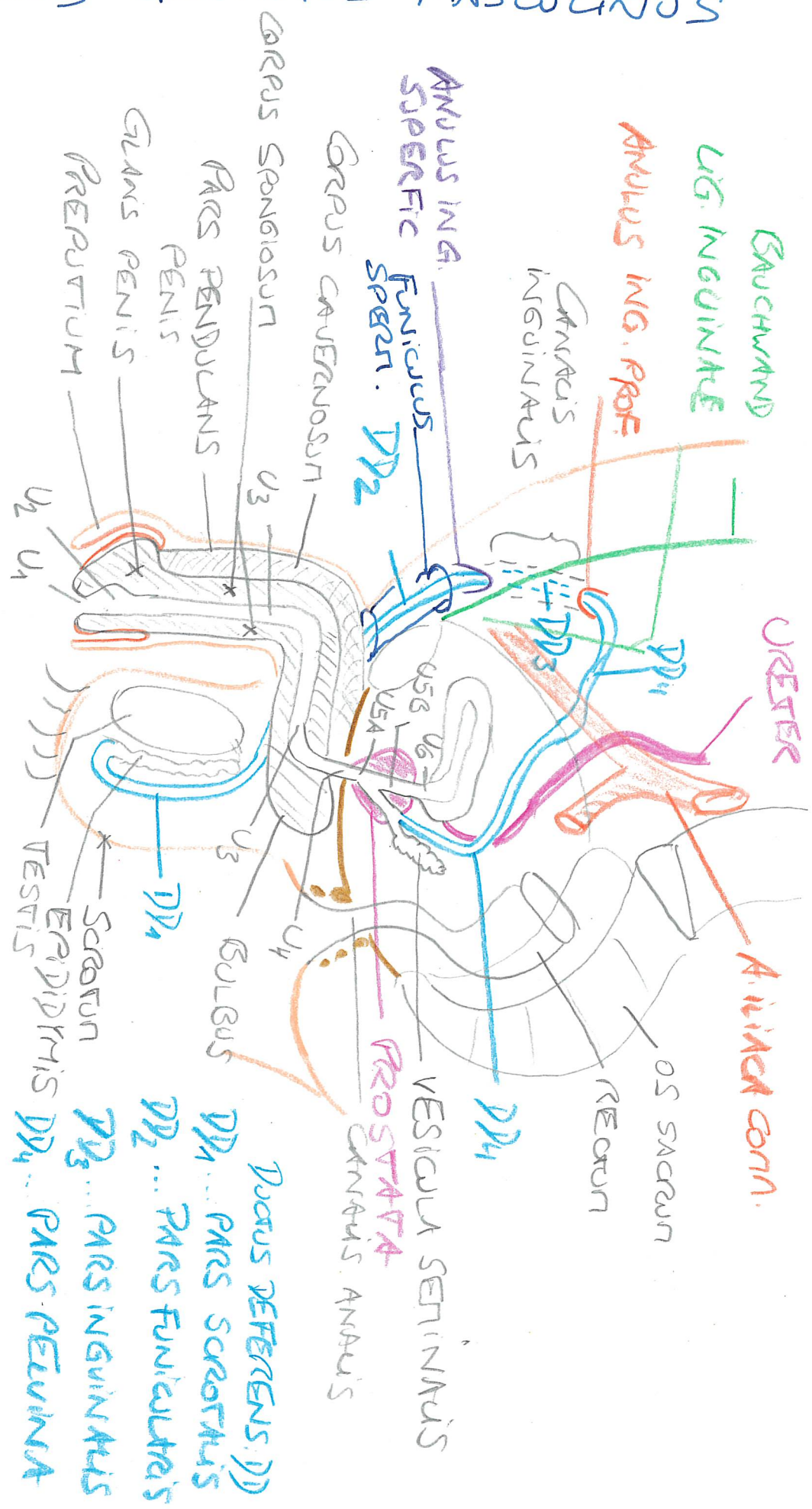
B... PARACOLAUM

NEBENPFEILER

→ PARACYSTIUM

- PARAPROCTIUM

TRACTUS GENITALIS MASCULINUS



URETHRA MASULINA: U

U₁ ... OSTIUM URETHRAE EXT.

U₂ ... FOSSA NAVICULARIS

U₃ ... PARS SPONGIOSA

U₄ ... PARS MEMBRANACEA

↳ DIAPHR. UROGENITALIS

U₅ ... PARS PROSTATICA

5A → U₁ : HARNSAMENRÖHRE

5B → "HARNRÖHRE"

U₆ ... OSTIUM URETHRAE INT.

FUNCTUS SPERMATICUS:

DD₂

A. DUCT. DEFERENTIS

A. TESTICULARIS

PLEXUS VENOSUS PAMPINIFORMIS → V. TESTICULARIS

VEGET. NERVEN, LYMPHGEFÄSSE

TESTIS + EPIDIDYMIIS

RE V. MED.

POLUS SUP.

FAC. LAT.

MARGO ANT.

MARGO POST.

FAC. MED.

POLUS INF.

DUCTULI EFFERENTES

CAPUT

CORPUS

CAUDA

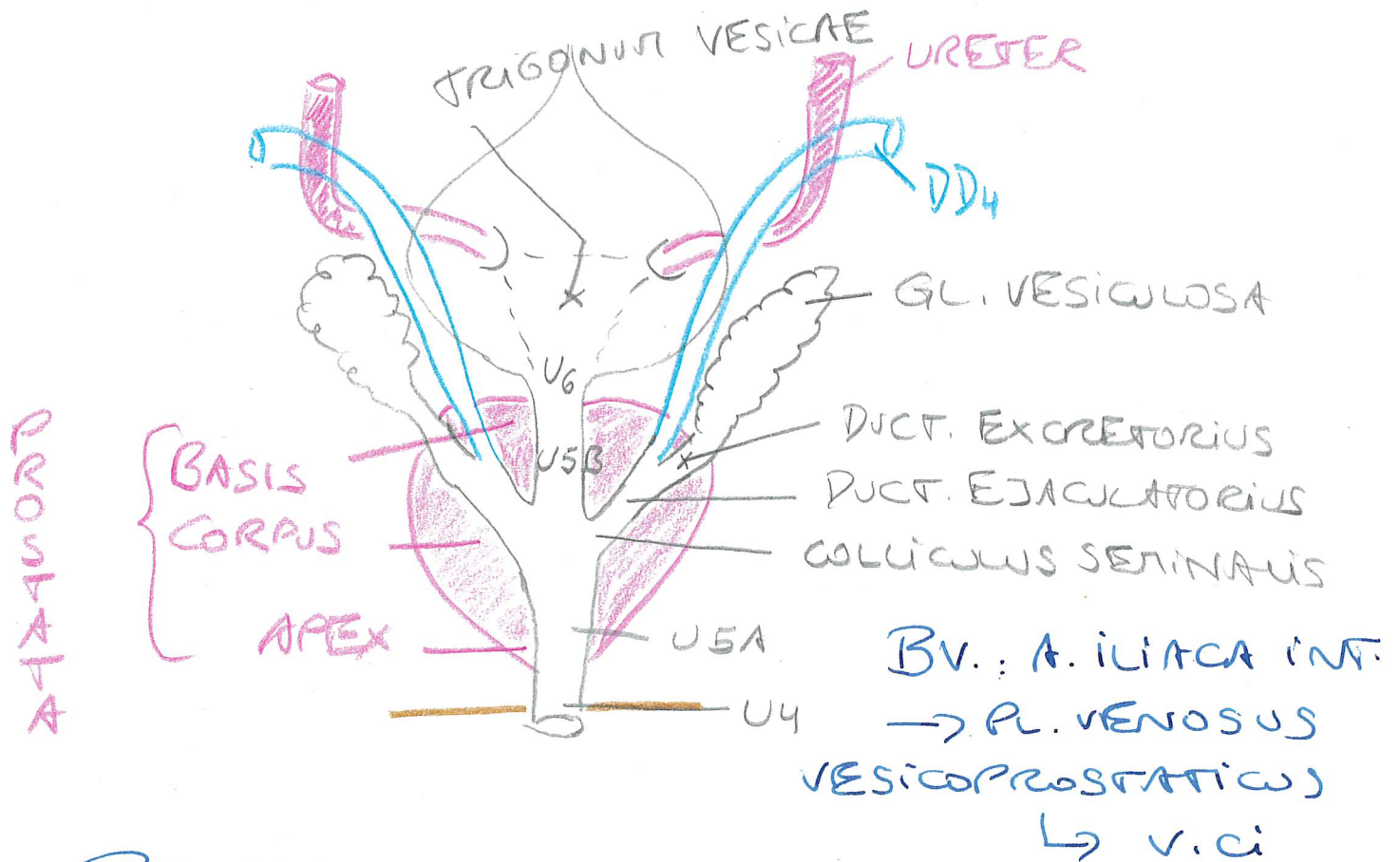
EPIDIDYMIIS

↳ 2m!

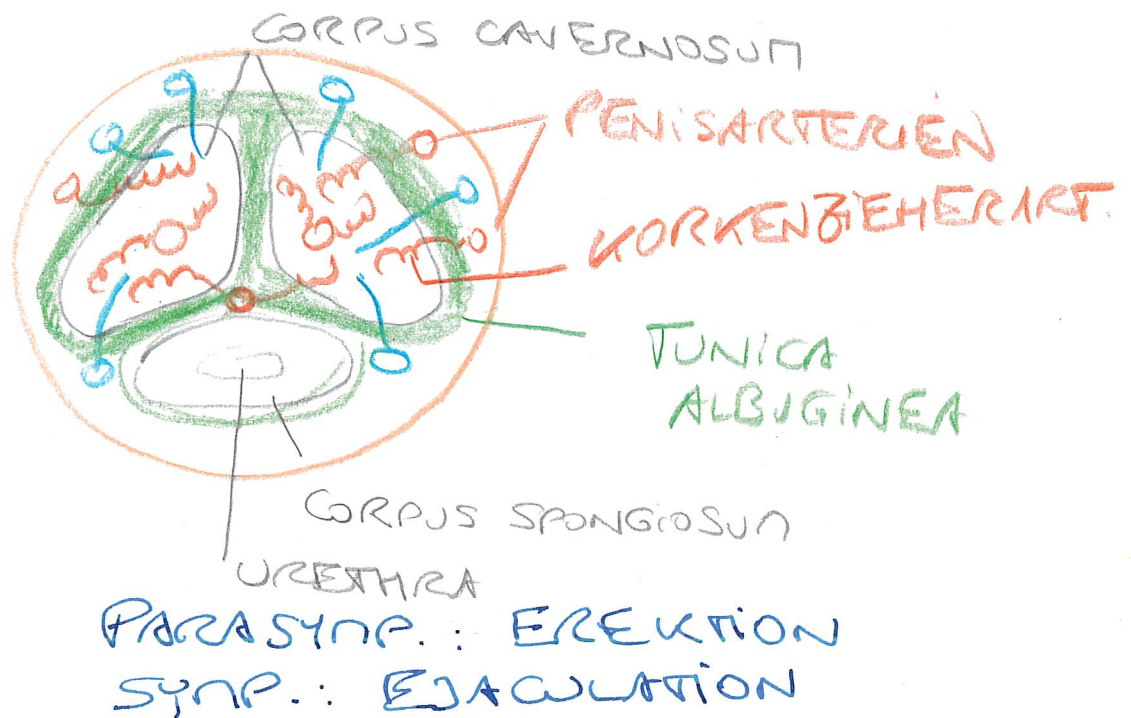
DD₁

TESTIS

BLASE + PROSTATA J.H.



PENIS:



NERVENSYSTEM:

Fkt. Einteilung: - SOMATISCHE = ANIMALES
NERVENSYST.

↳ MOTORIK
↳ SENSIBILITÄT
(+ SENSORIK)

- AUTONOME NERVENSYST.

↳ VEGETATIVUM

↳ PARASYMP.
↳ SYMPATHIKUS

MORPHOLOGISCH:

ZENTRALES NERVENSYST:

↳ ENCEPHALON

↳ MEDULLA SPINALIS

PERIPHERE NERVENSYST.:

[ENTERISCHES NERVENSYST.]

ZELLEN: - NEUROCYTEN: NERVENGEWEBE

- GLIAZELLE: STÜTZZELLE

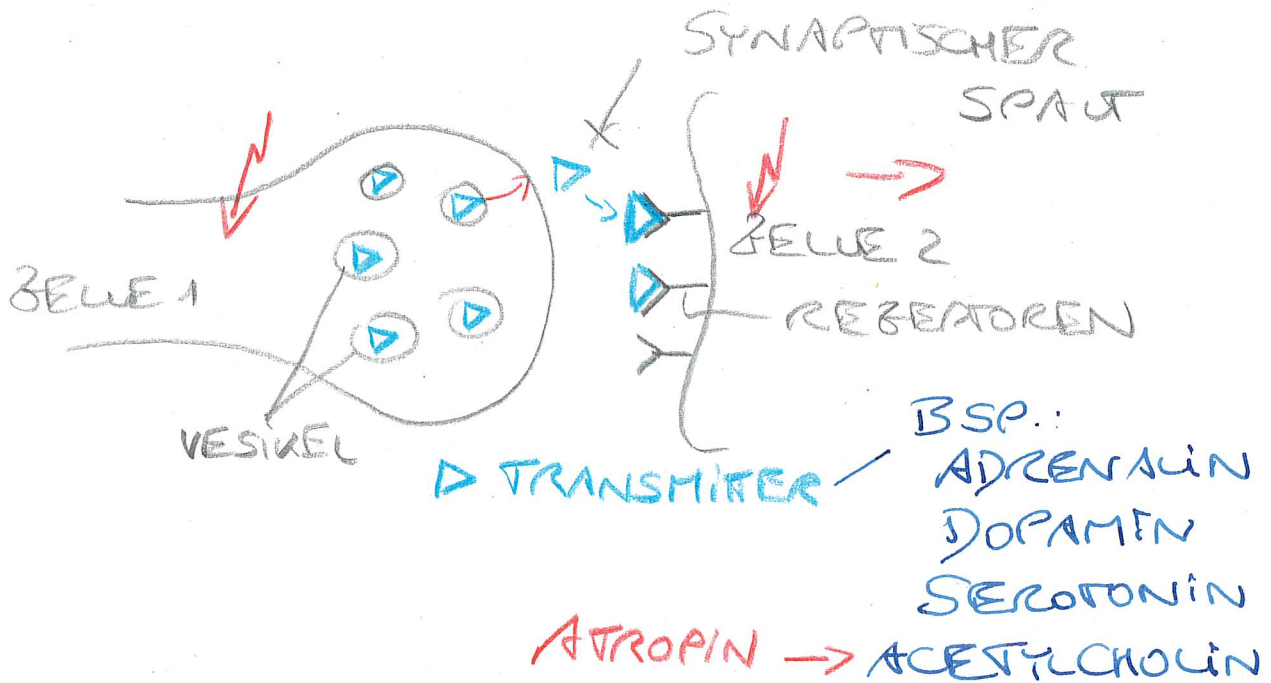
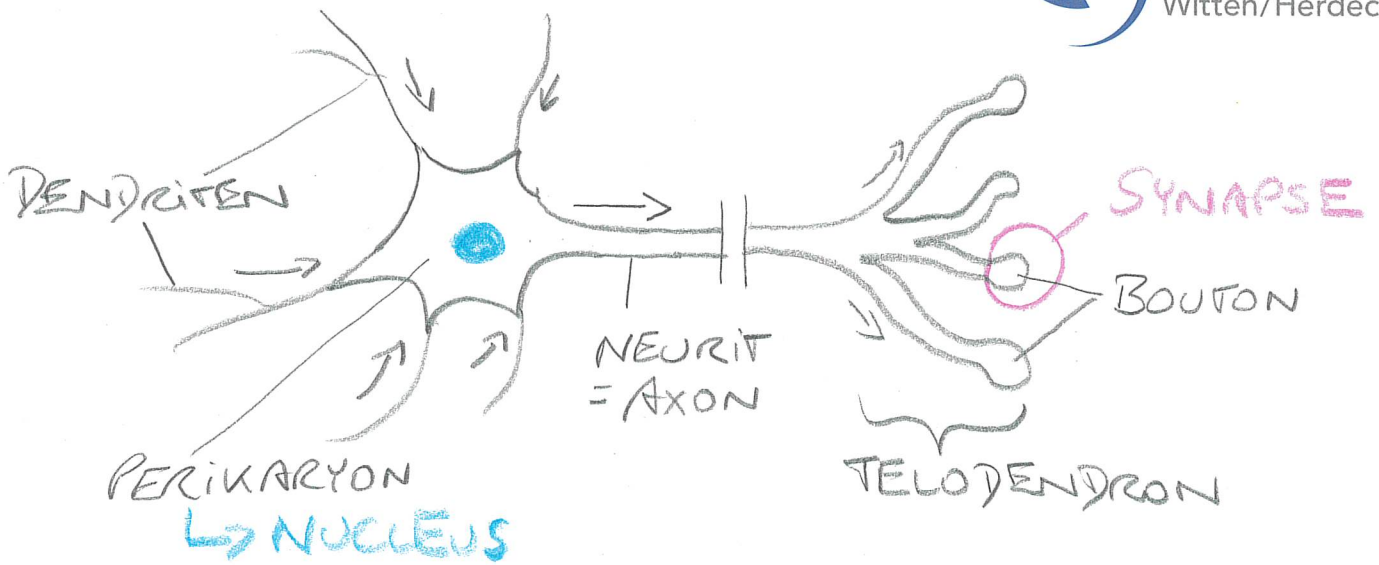


BLUT-HIRN-SCHRANKE

BSP.: ASTROCYTEN

OLIGODENDROCYTEN

„NEURON“

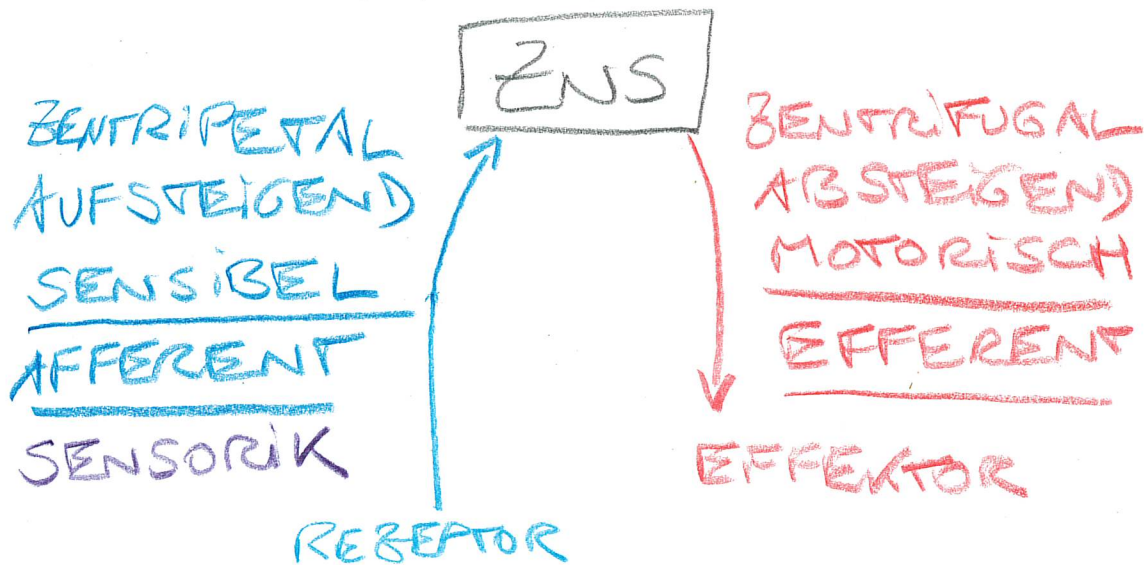


NEURONENKETTE:



MOTORIK: 2!
SENSIBILITÄT: 2-3
SENSORIK: -6!
VEGETATIVUM: 2

LEITUNGSBOGEN



→ BEWUSST: CORTEX CEREBRI
 WIRD ERREICHT

→ UNBEWUSST

↳ REFLEXE:

1) MONOSYNAPTISCHER REFLEX
 = EIGENREFLEX $R = E$

BSP.: PATELLARSEHNENREFL.
 ACHILLESSEHNENREFL.

2) POLYSYNAPTISCHER REFLEX
 = FRENDREFL. $R \neq E$

BSP.: HERZPLATENREFLEX

NEURON	ZNS	PNS
PERIKARYON ↓ SUBST. GRISER	CORTEX BASAL GANGLIEN HIRNNERVENKERNE NUCLEI RM - GRAU	GANGLIEN
AXON ↓ SUBST. ALBA	MARKLAGER BALKEN "HIRNBAHNEN" RM - WEISS	NERVI
STÜTZZELLEN	ASTROCYTEN: S.O.	SCHWANN' ZELLEN

MEDULLA
SPINALIS

40cm

HALS-
MARK
8!

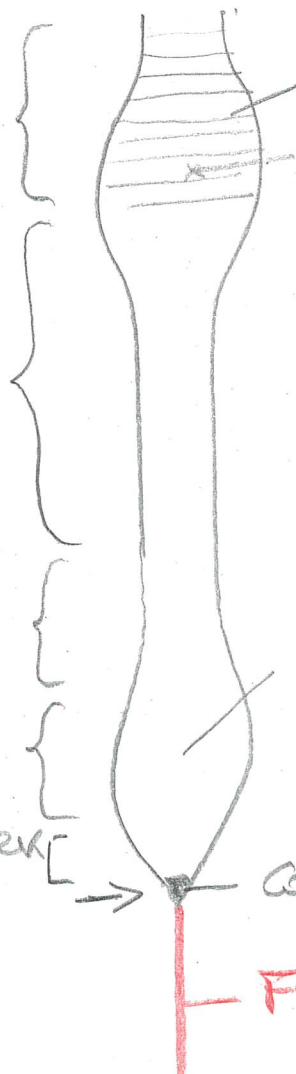
BRUSTMARK

12

LENDENMARK: 5

SACRALMARK
5

~~1000~~ STEISSMARK



INTUMESCENTIA
CERVICALIS

SEGMENTUM L7 PLEXUS
BRACHIALIS OE

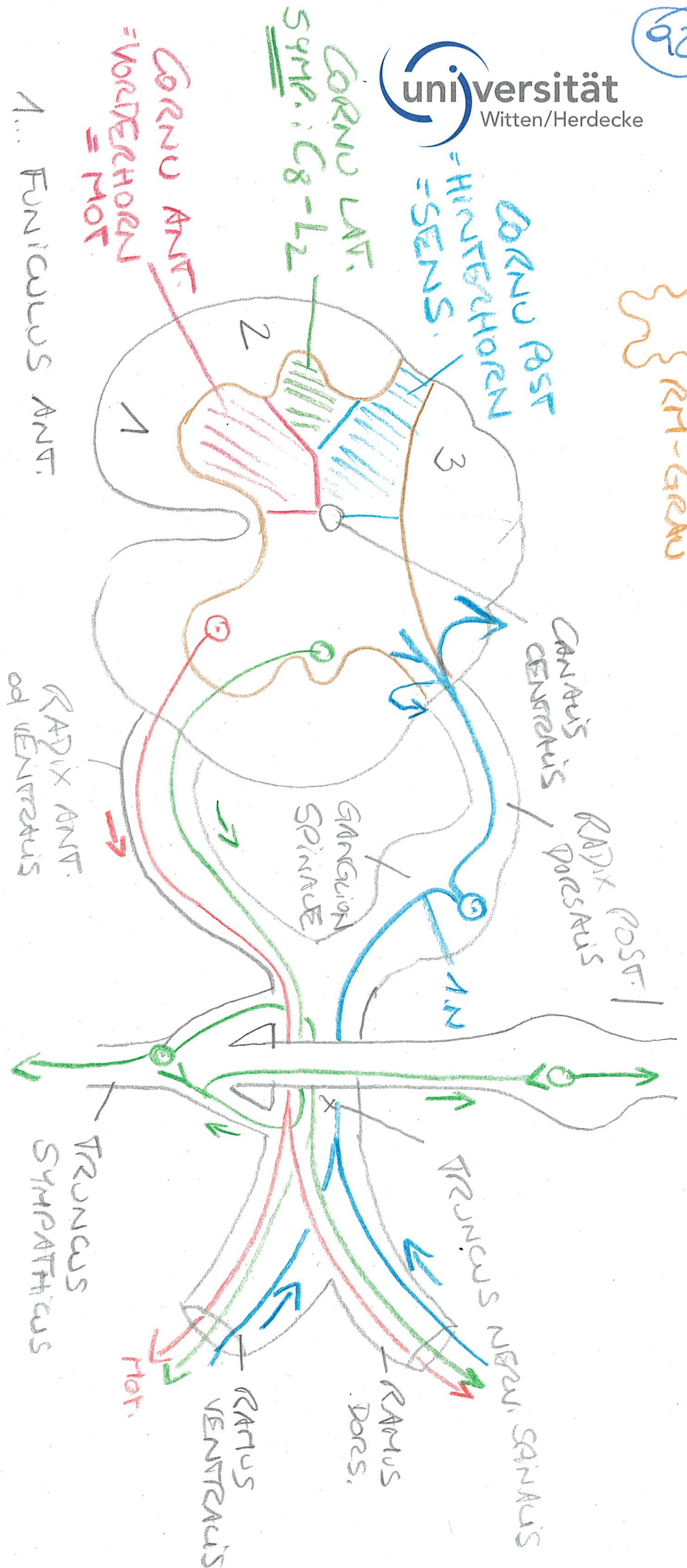
INTUMESCENTIA LUMBOSACRALIS

PL. LUMBALIS
PL. SACRALIS] OE

CONUS MEDULLARIS LWK 1-2

FILUM TERMINALE

RM-GERM



1. FUNICULUS ANT.
2. FUNICULUS LAT.
3. FUNICULUS POST.

TRUNCUS N. SPINALIS

↳ FOR. INTERVERTEBRAL

REGEL:

SPINALNERV → UNTER dem WIRBEL AUS

RM SEGN. TH₃ → FOR. INTERVERT. TH₃/TH₄
- II - L₃ → FOR. - II - L₃/L₄

AUSNAHME:

BERVICAL : RM-SEGN. → OBERHALB d. WIRBELS

C₁ [RM-SEGN.] → OCCIPUT
+ C₁

RM-SEGN. C₂ → FOR. INTERVERT. C₁/C₂

RM-SEGN. C₇ → FOR. INTERVERT. C₆/C₇

RM-SEGN C₈ → FOR INTERVERT C₇/TH₁

RM-SEGN. TH₁ → FOR. INTERVERT. TH₁/TH₂

HIRN- und RÜCKENMARKSHÄUTE bzw. RÄUME

PIA + ARACHNOIDEA
↳ LEPTOMENINX

3 NS

PIA MATER

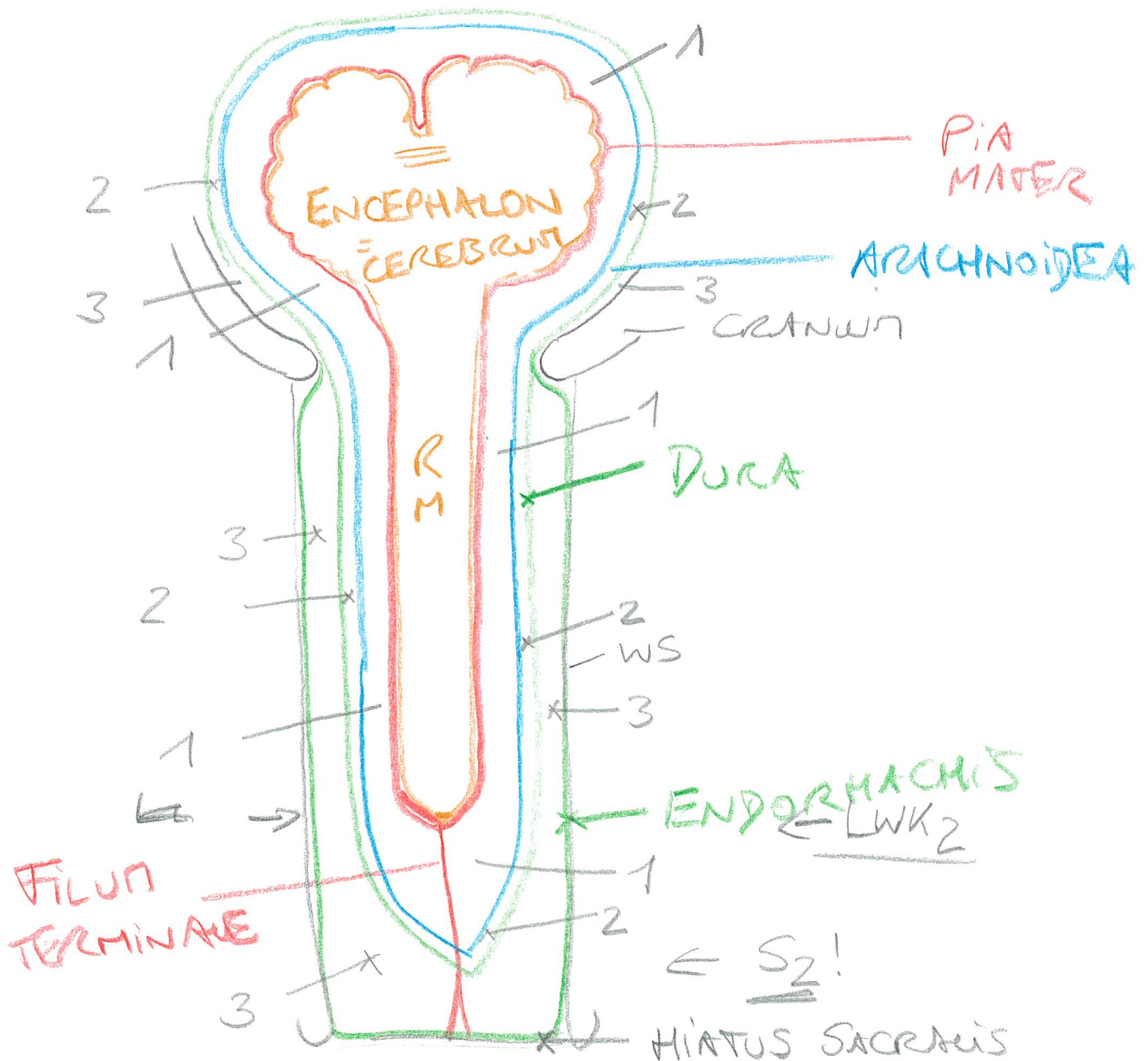
① SPATIUM SUBARACHNOIDALE → LIQUOR CEREBROSPINALIS

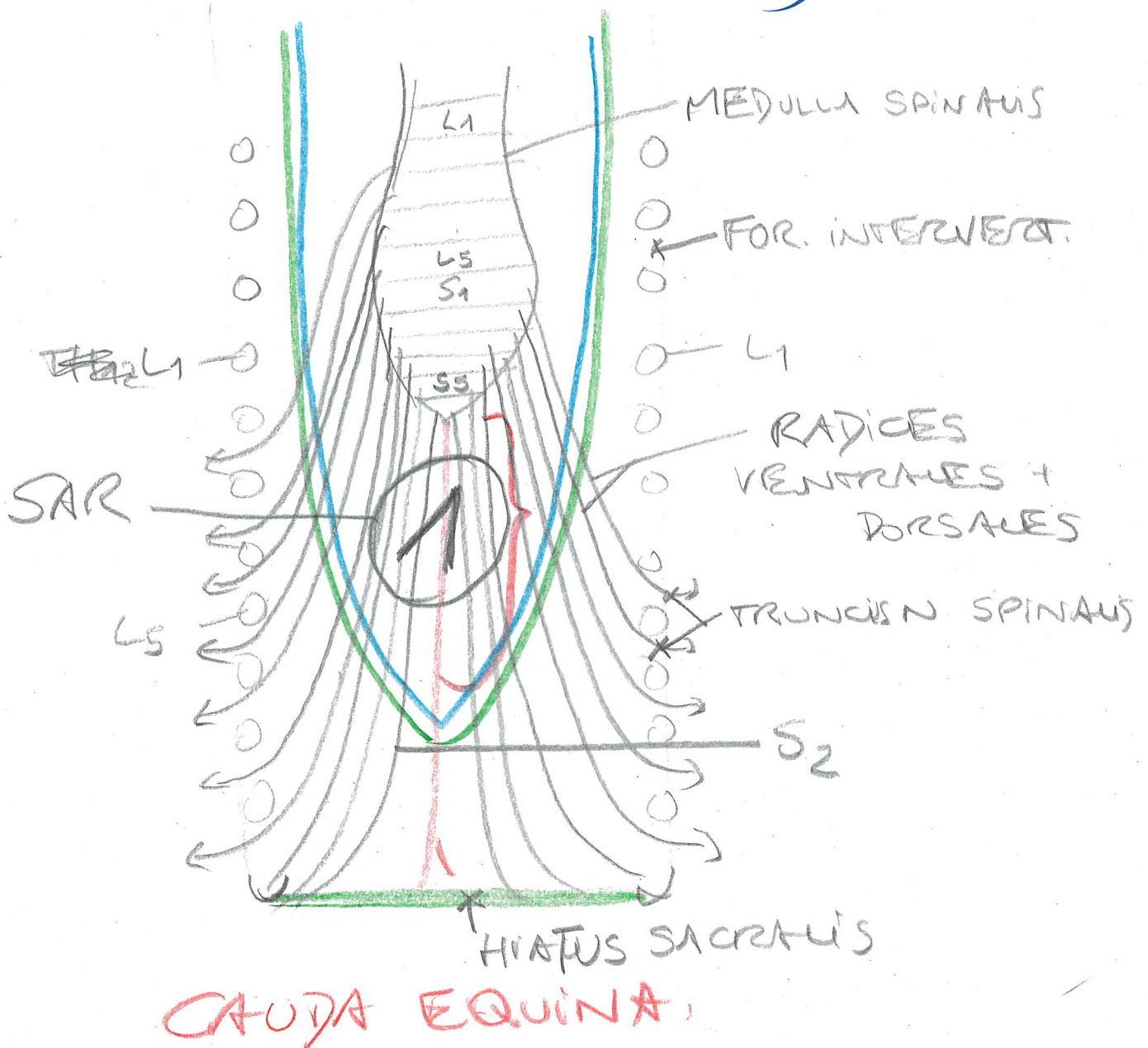
ARACHNOIDEA MATER

② SPATIUM SUBDURALE
DURA MATER

③ SPATIUM EPIDURALE **FETT**, PLEXUS VENOSI
ENDORHACHIS

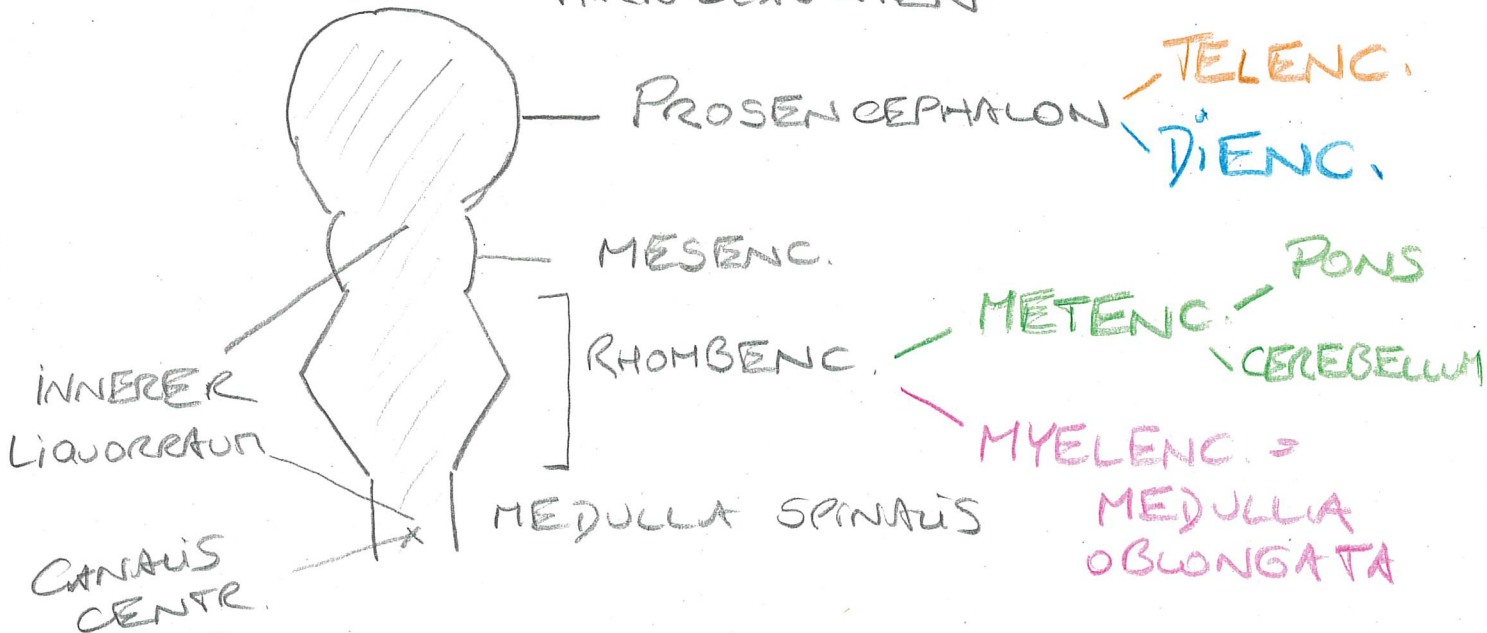
CRANIUM



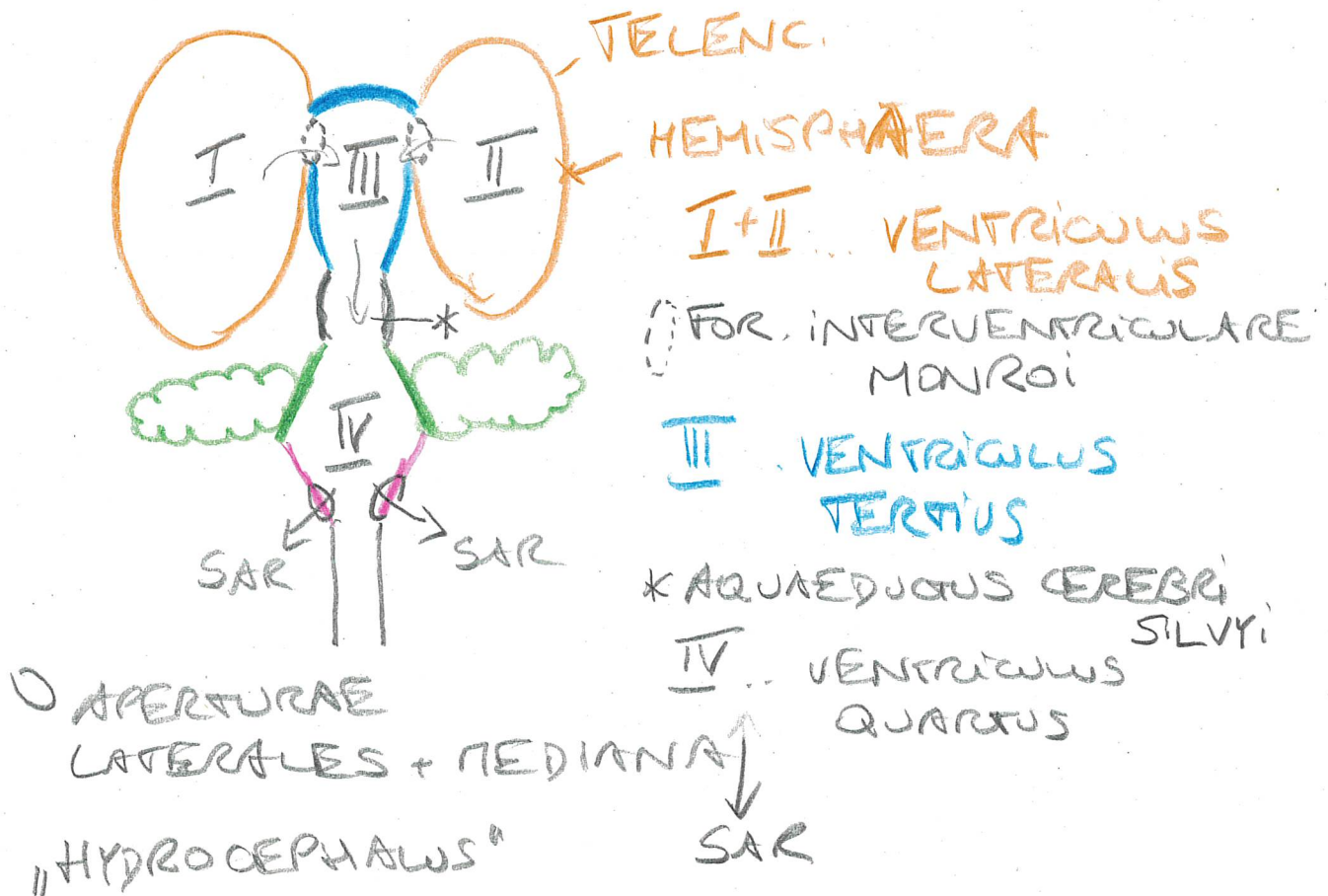


ENCEPHALON = CEREBRUM

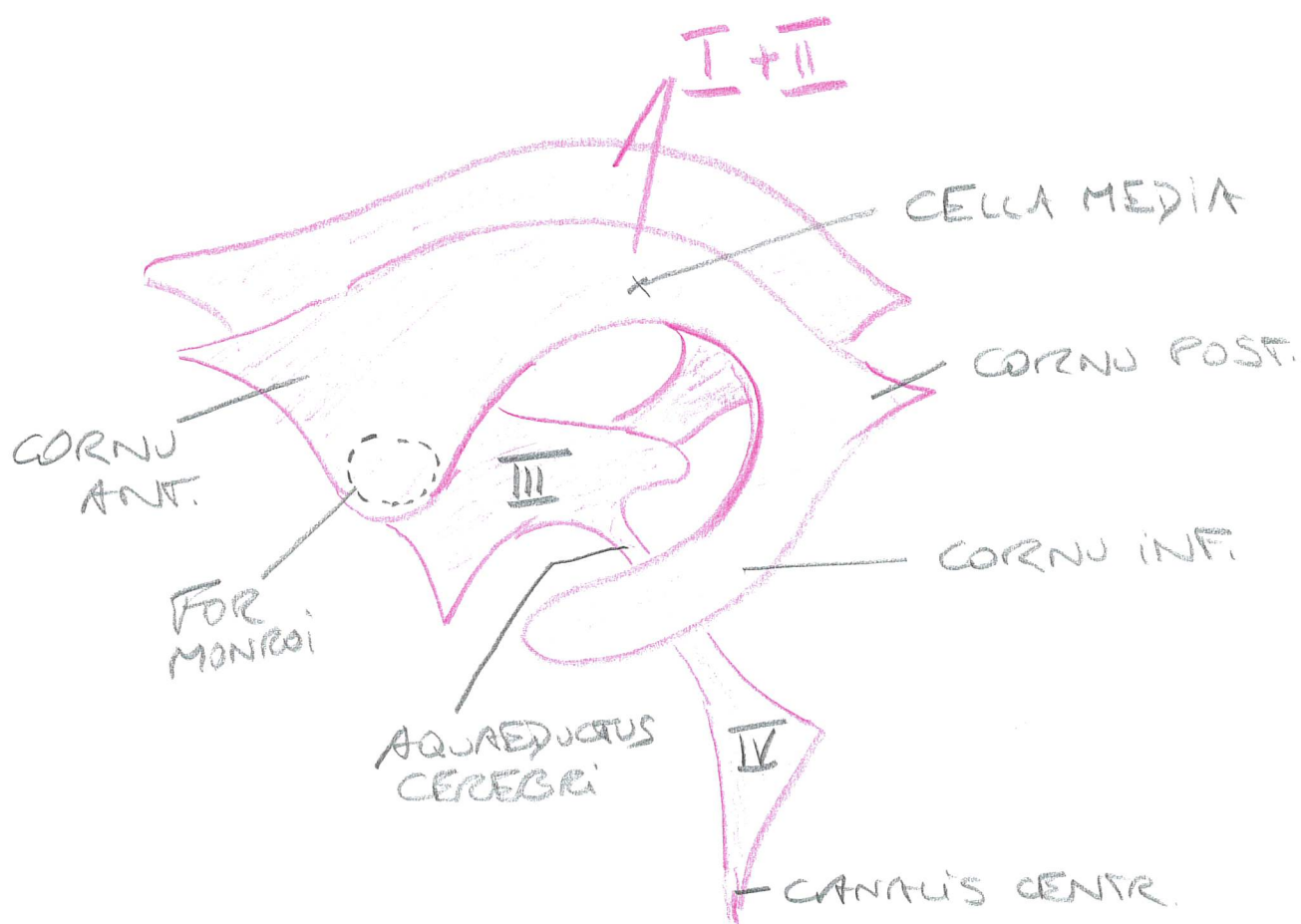
HIRNBLÄSCHEN



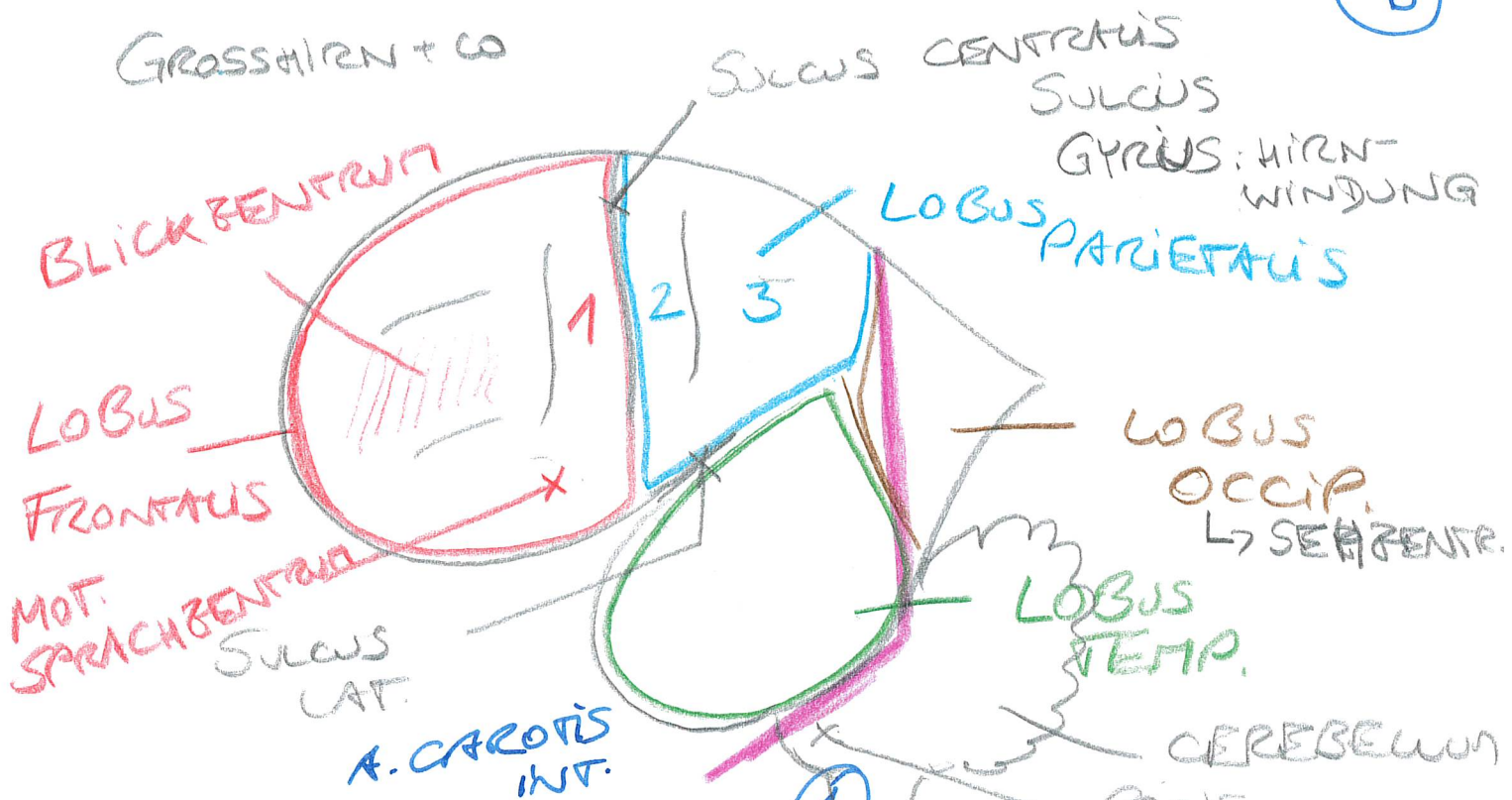
LIQUOR CEREBROSPINALIS {
 INNERER LIQUORRAUM: GEHIRN: VENTRIKEL-SYSTEM
 RM: CANALIS CENTRALIS
 AUSSERER LIQUORRAUM: SUBARACHNOIDAL-RAUM



VENTRIKELSYSTEM:



GROSSHIRN + CO



LOBUS FRONTALIS

1... GYRUS PRECENTRALIS
SITZ d. WILLKÜR MOTORIK
LOBUS PAR.

2... GYRUS POSTCENTRALIS
↳ OBERFLÄCHENSENS.

3... BEWUSSTE TIEFENSENS.

LOBUS TEMP. HÖRBENTR.
EMOTIO! RIECHBENTR.

MOT. + SENS.
HOMUNCULUS

↓
ARTER-
BENTR.
KREISLAUF.

CEREBELLUM: GLEICHGEWICHT
BEWEGUNGS KOORDINIERUNG

Ⓐ VERTEBROBASILÄRE SYSTEM