

Anatomie Opératoire Pelvienne

K. Nyangoh Timoh, F. Robin, V. Lavoué, L.Dion, X. Morandi, J.Leveque

*« Sans connaissance de l'anatomie, la
chirurgie est un jeu de hasard »*



**Université
de Rennes**



Inserm

Institut national
de la santé et de la recherche médicale

Plan

1. Introduction
2. Organisation de la cavité pelvienne
3. Anatomie vasculaire
4. Anatomie nerveuse

Terminologia Anatomica versus unofficial descriptions and nomenclature of the fasciae and ligaments of the female pelvis: A dissection-based comparative study

Alfredo Ercoli, PhD,^a Vincent Delmas, MD,^b Francesco Fanfani, MD,^c Pierre Gadonneix, MD,^d Marcello Ceccaroni, MD,^a Anna Fagotti, MD,^c Salvatore Mancuso, MD,^a Giovanni Scambia, MD^{c,*}

Department of Gynecology, Catholic University, Rome, Italy^a; Institute of Anatomy, Université Paris, Paris, France^b; Department of Oncology, Catholic University, Campobasso, Italy^c; Department of Visceral and Gynecologic Surgery, Diaconesses Hospital, Paris, France^d

PubMed.gov (anatomy) AND (penis)
 Advanced Create alert Create RSS
 Save Email Send to
 MY NCBI FILTERS 21,730 results

PubMed.gov (anatomy) AND (clitoris)
 Advanced Create alert Create RSS
 Save Email Send to
 MY NCBI FILTERS 1,410 results

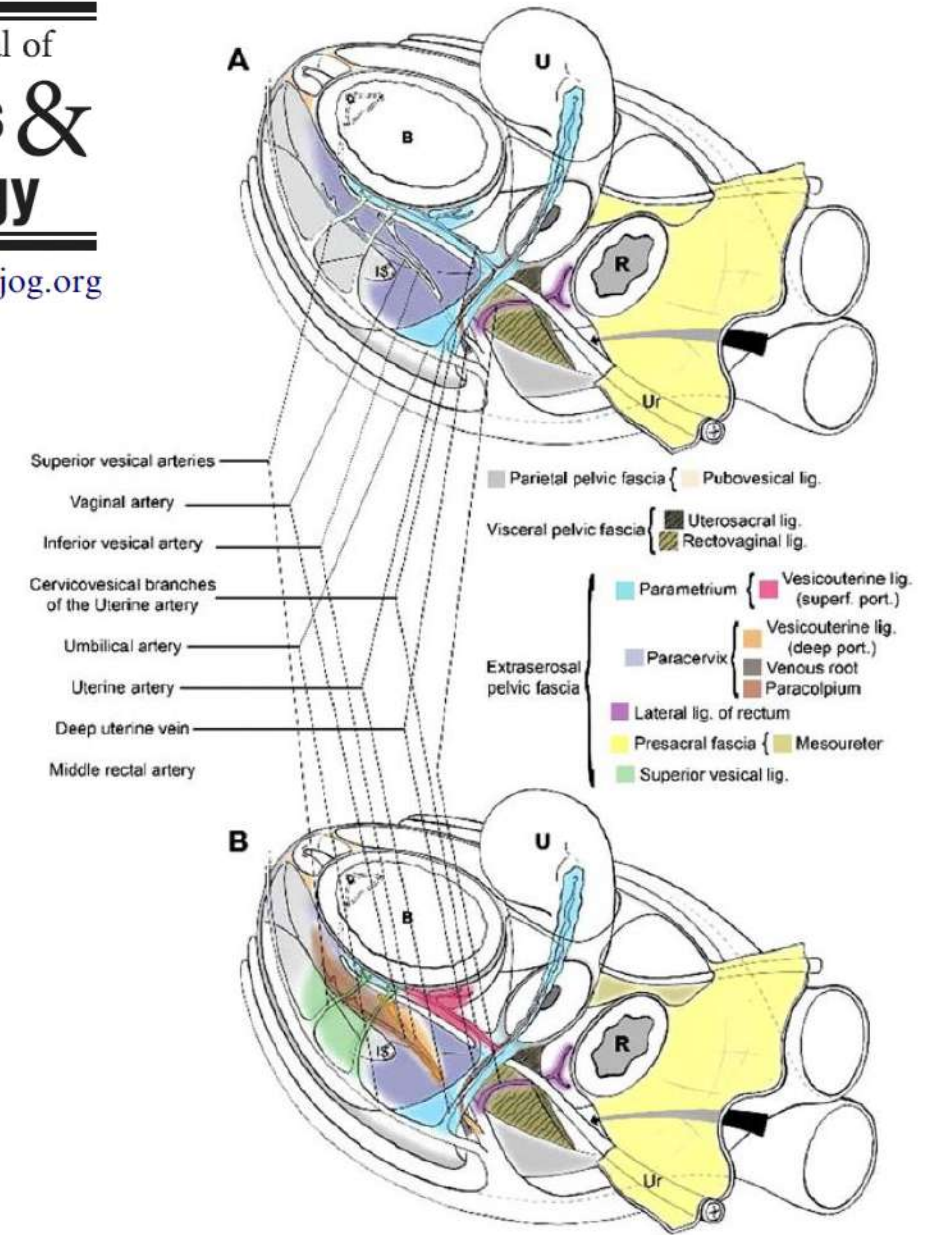
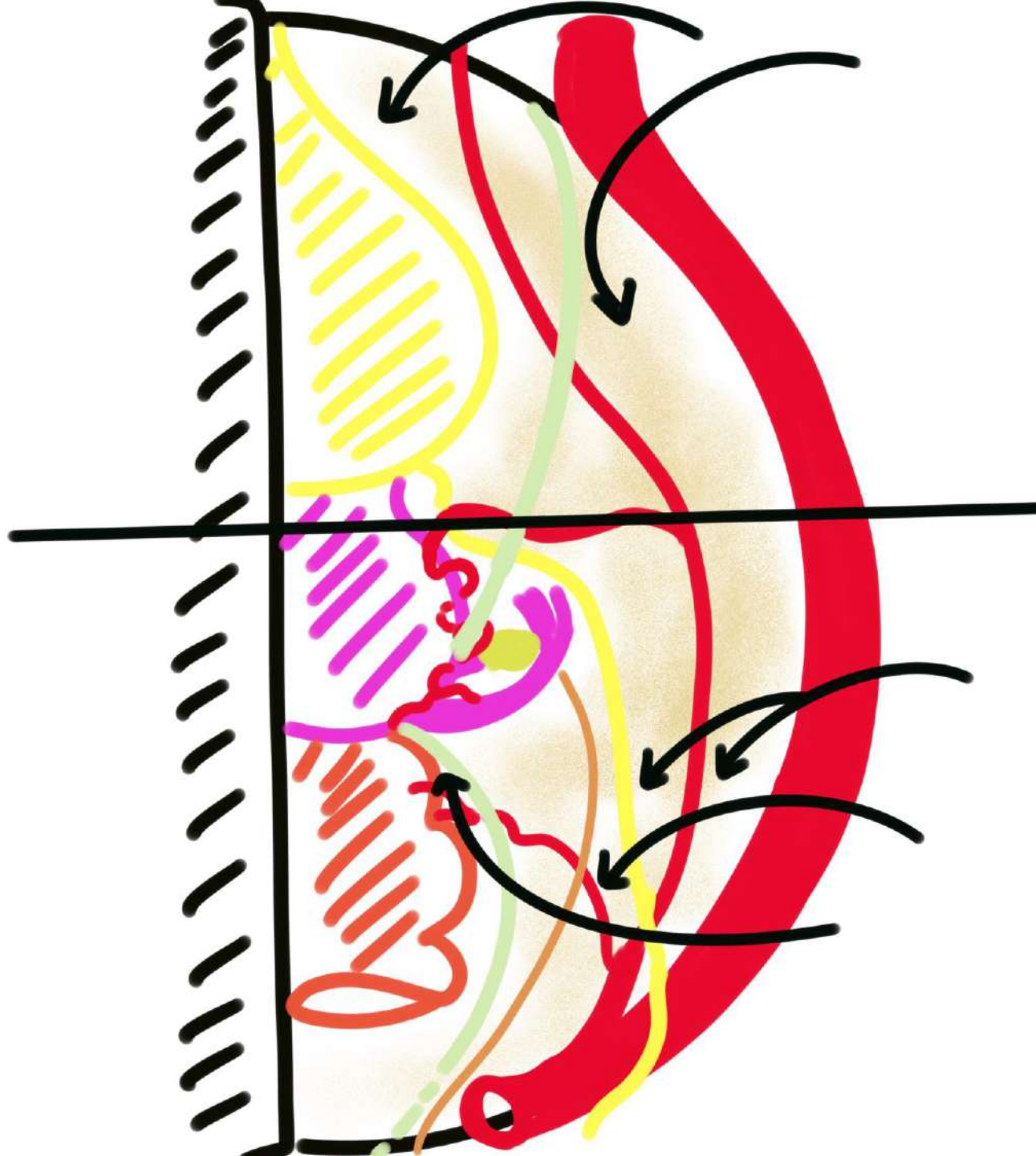


Figure 7 Comparison of the organization of the female pelvic fasciae. *A.* According to the Terminologia Anatomica.⁵ *B.* According to the present study.



ORGANISATION DE LA CAVITE PELVIENNE

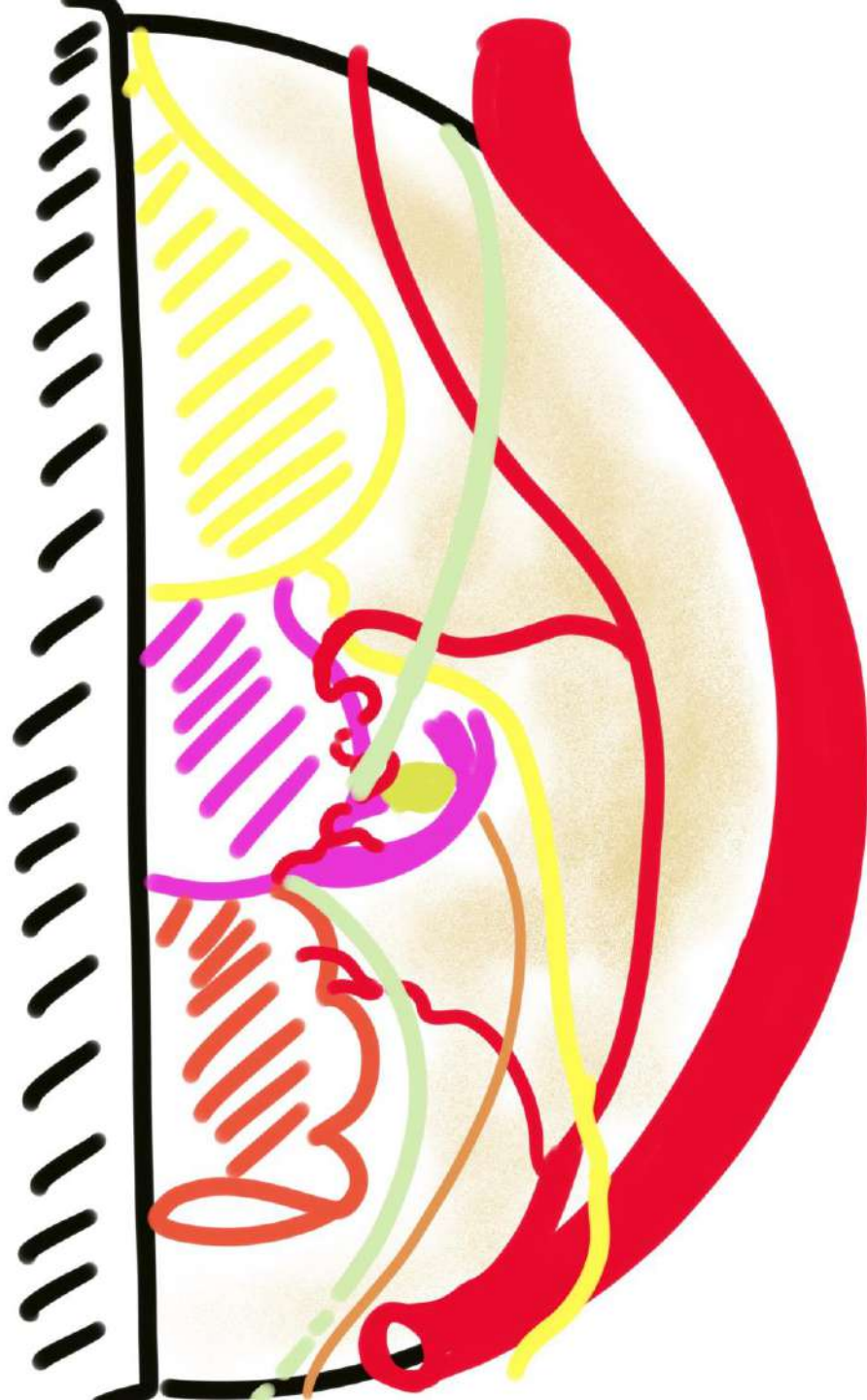


ESPACES PARAVESICALES

ESPACES PARARECTALES

Espace pararectale latérale

Espace pararectale médiane



1 Zone = 1 artère

LIGAMENT VESICO UTERIN SUPERFICIEL

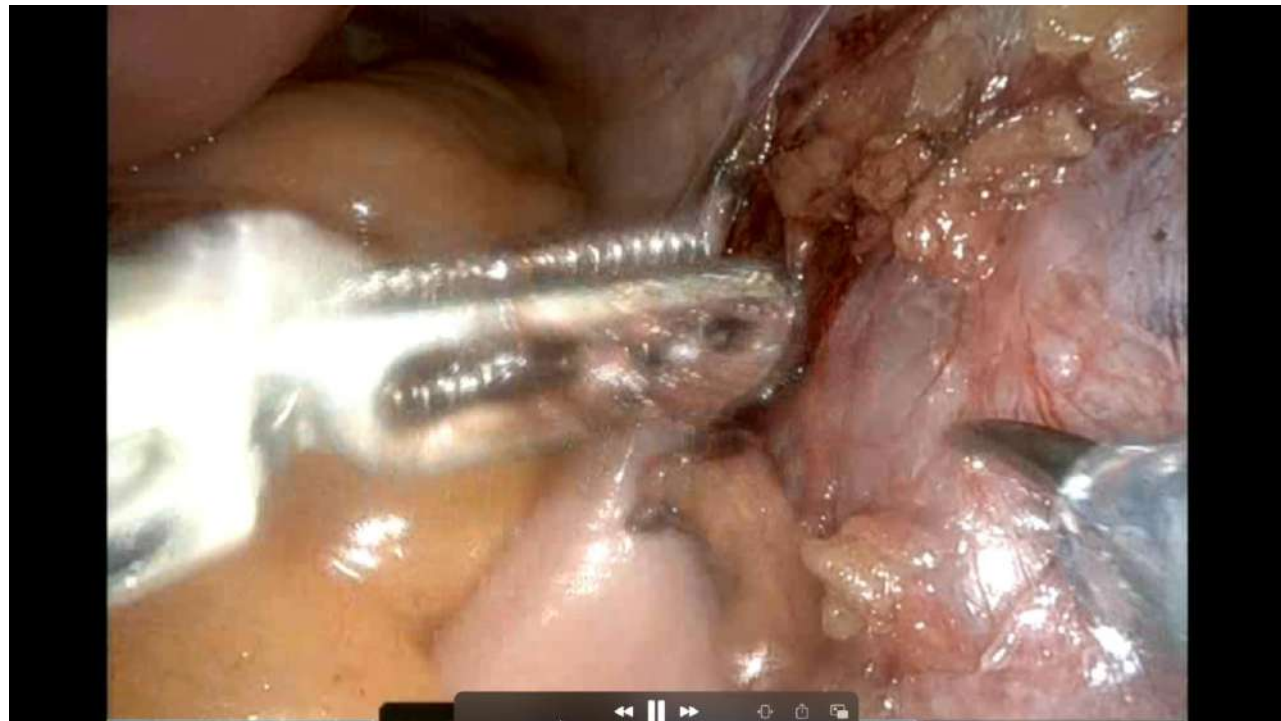
LIGAMENT VESICO UTERIN PROFOND

PARAMETRE

PARACERVIX

AILERONS MOYENS DU RECTUM





Un paramètre, des paramètres

RESEARCH

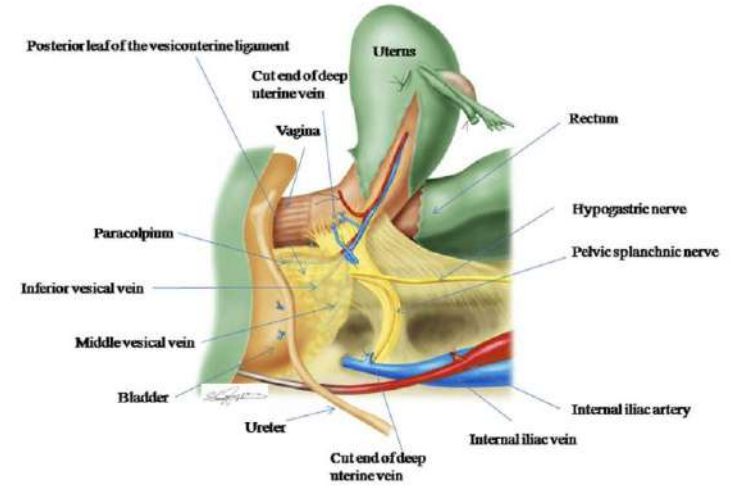
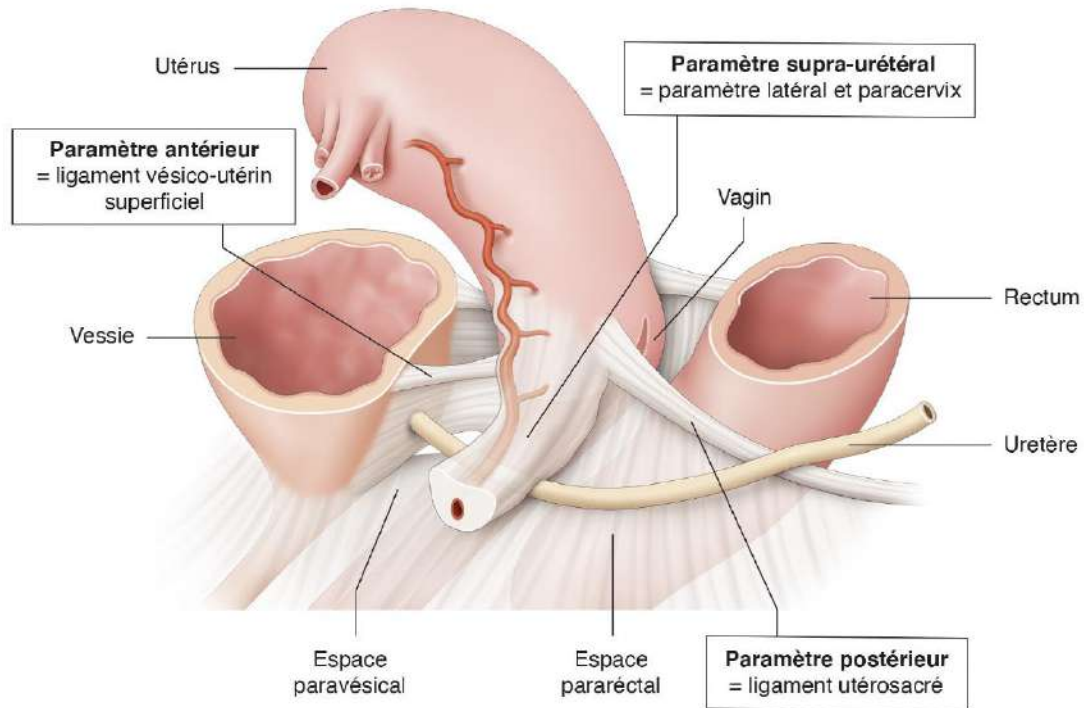
www.AJOG.org

ONCOLOGY

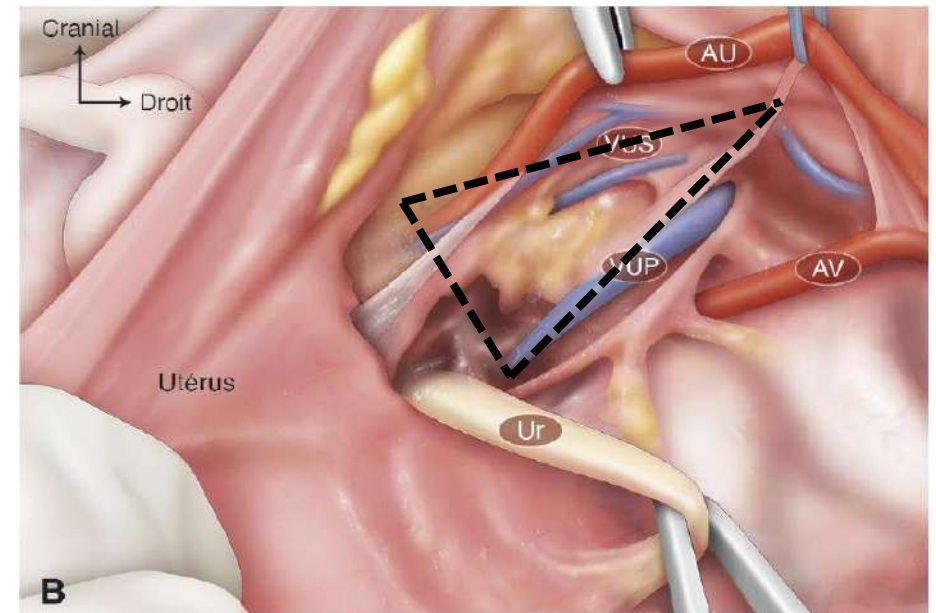
AJOG, 2008

The lateral infraureteral parametrium: myth or reality?

Cyril Touboul, MD; Arnaud Fauconnier, MD, PhD; Elise Zareski, MD; Philippe Bouhanna, MD; Emile Daraï, MD, PhD



Fujii, Gynecol Oncol, 2008



Nyangoh Timoh, Clin Anat, 2021





ANATOMIE VASCULAIRE

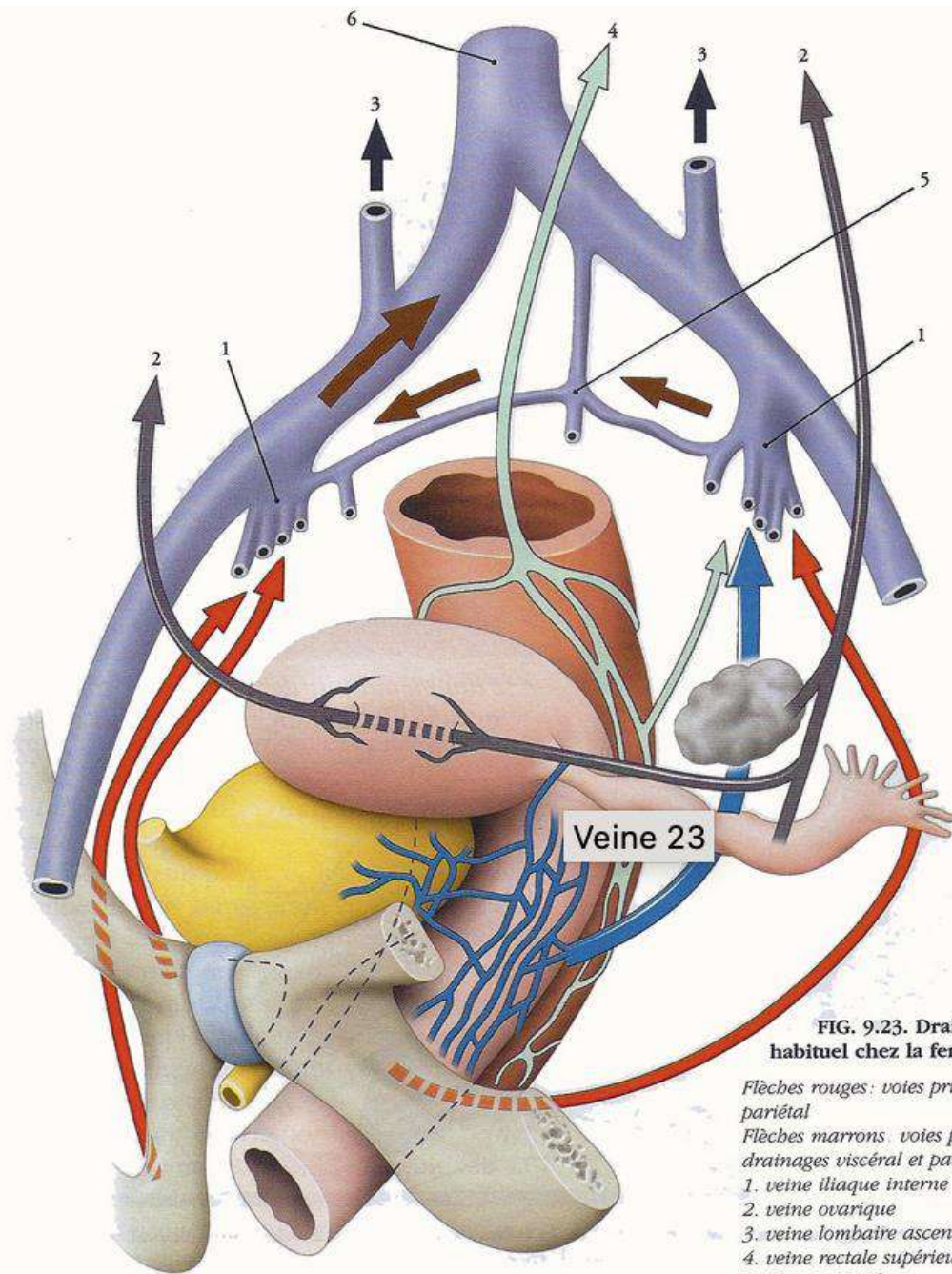


FIG. 9.23. Drainage pelvien habituel chez la femme (schématique)

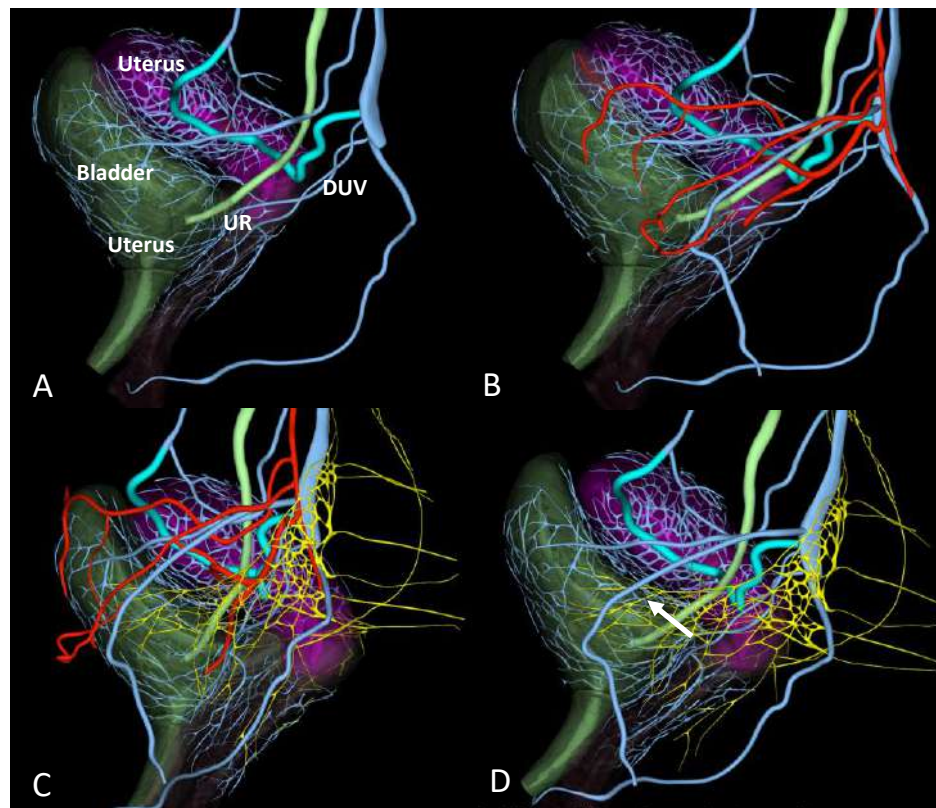
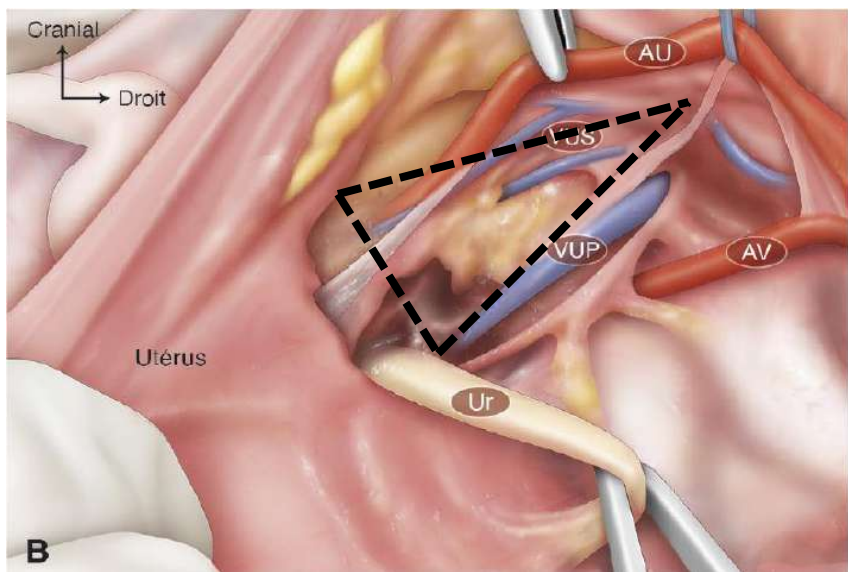
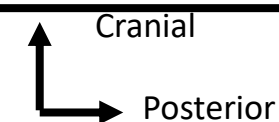
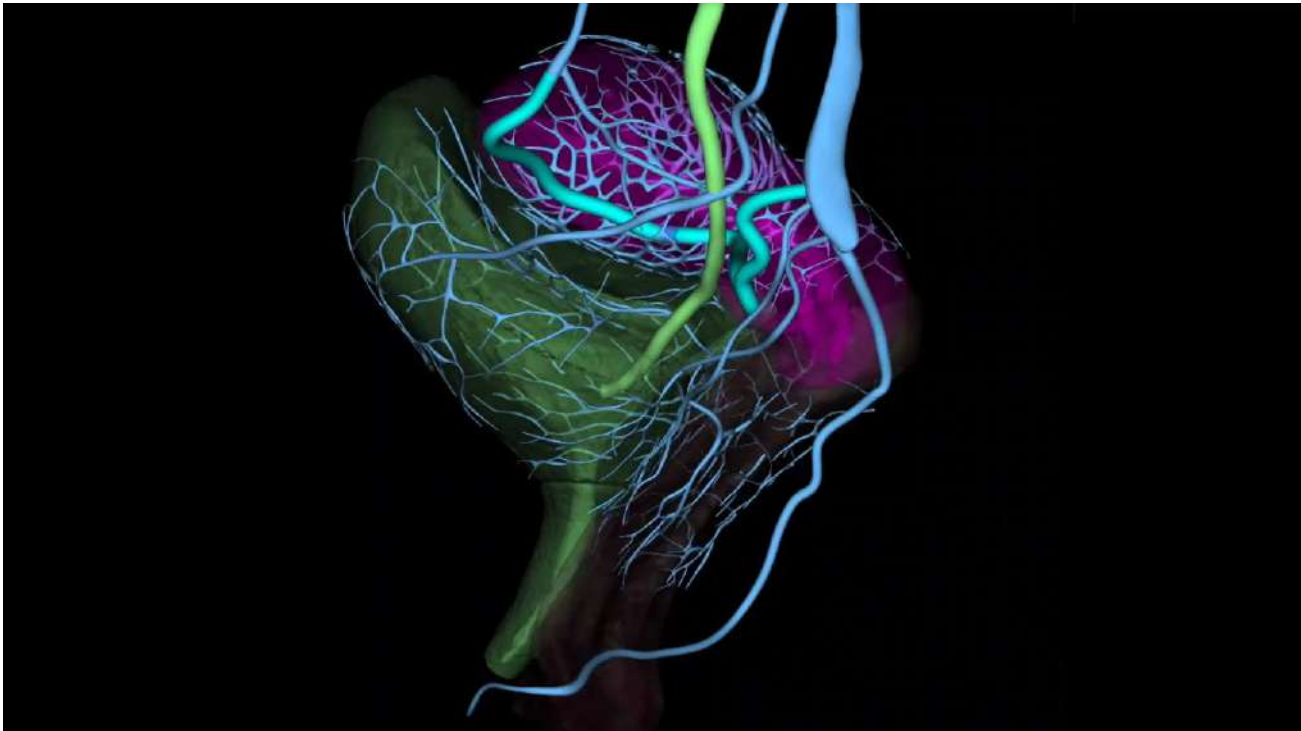
- Flèches rouges : voies principales de drainage pariétal*
- Flèches marrons : voies principales des drainages viscéral et pariétal*
- 1. veine iliaque interne
- 2. veine ovarique
- 3. veine lombaire ascendante
- 4. veine rectale supérieure
- 5. plexus sacral
- 6. v. cave inférieure

COMMUNICATION

Relationship between uterine veins, ureter, and hypogastric nerve for uterine transplantation: An anatomic study

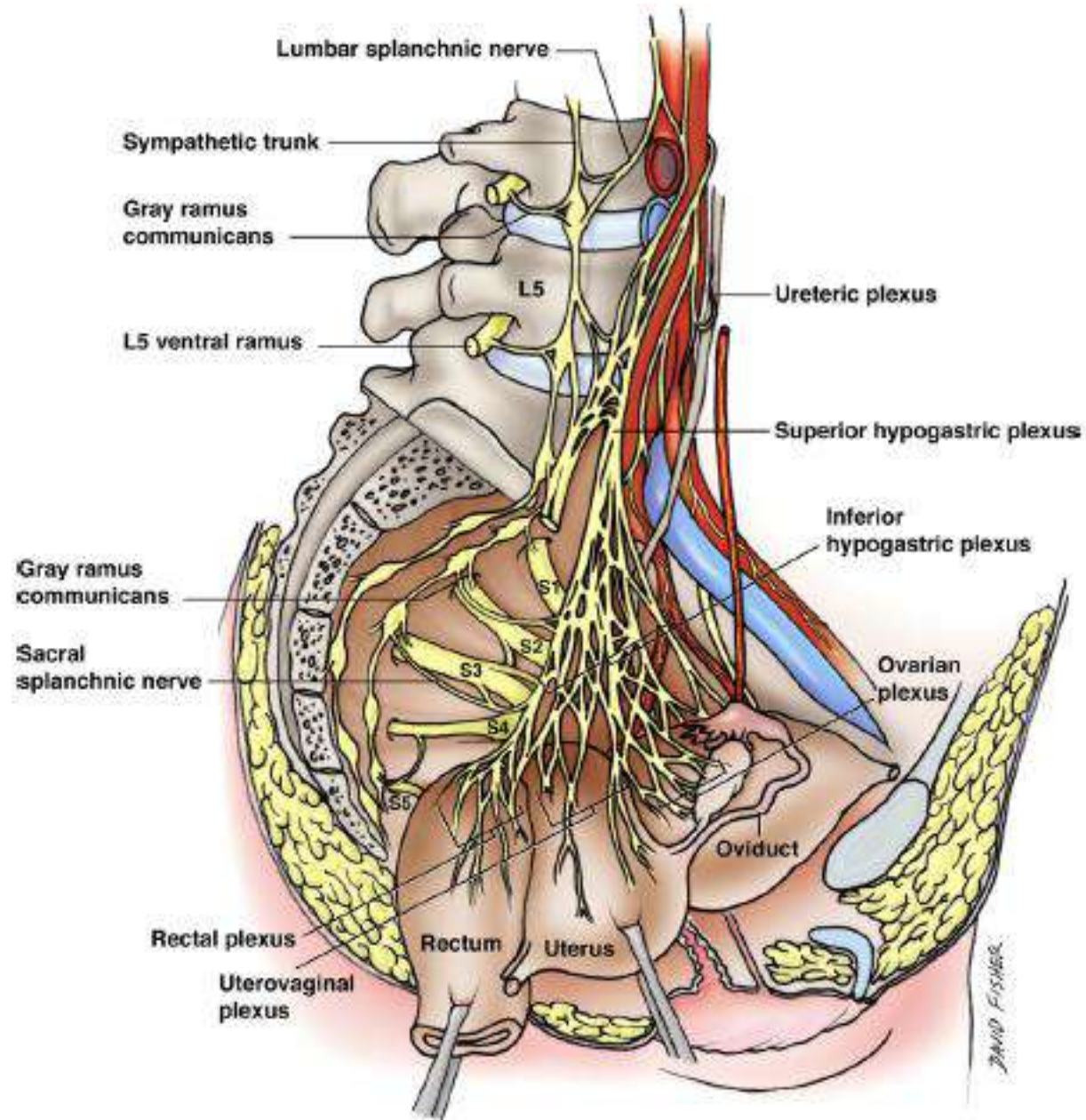
Fabien Robin, Ludivine Dion, Vincent Lavoue, Anna Goujon, Karim Boudjema, Laurent Sulpice, Xavier Morandi, Krystel Nyangoh Timoh ✉

First published: 15 March 2022 | <https://doi.org/10.1002/ca.23850>



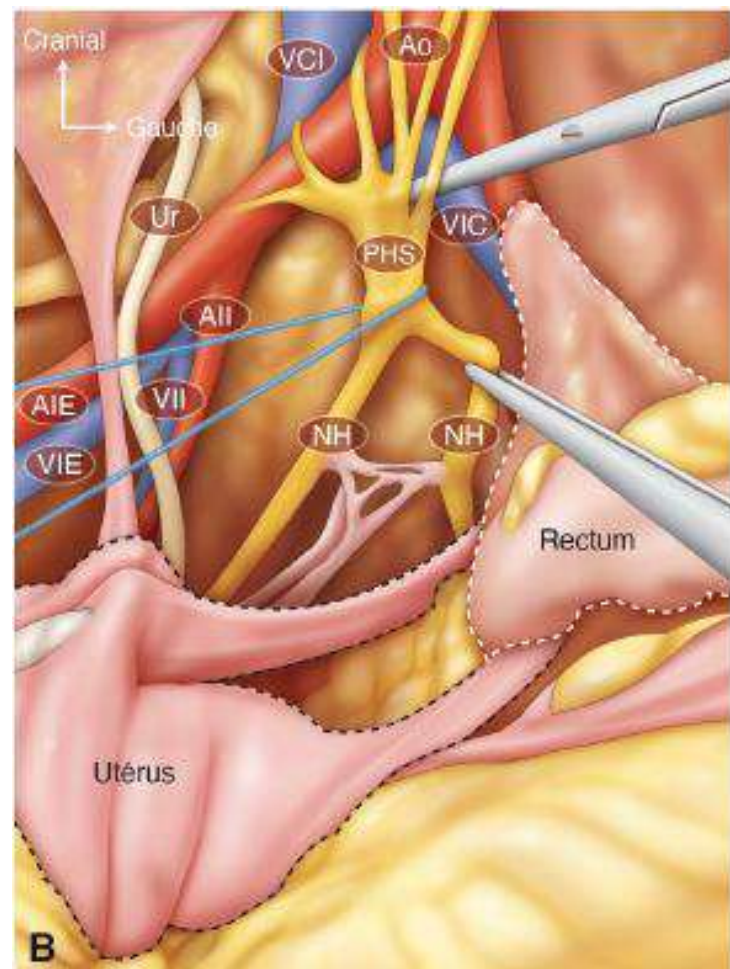
A 3D rendering of a neuron, showing its cell body (soma), dendrites, and a long axon. The neuron is depicted in a light blue, semi-transparent style, set against a background of a complex neural network with glowing nodes and connections. The text "ANATOMIE NERVEUSE" is overlaid in yellow on the left side of the image.

ANATOMIE NERVEUSE

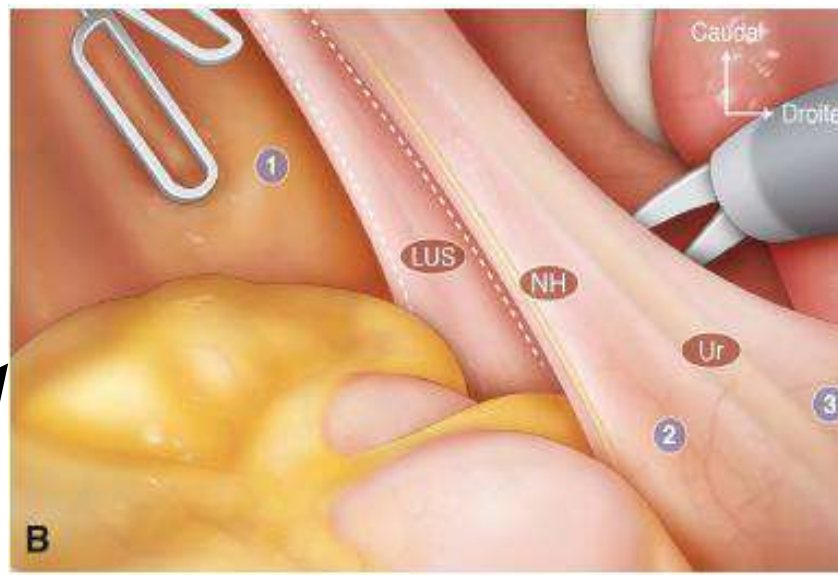


SOMATIQUE

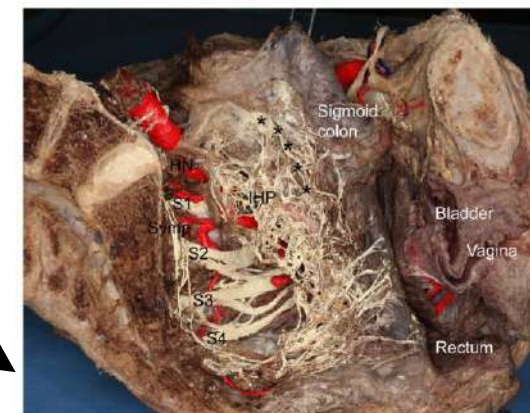
AUTONOME



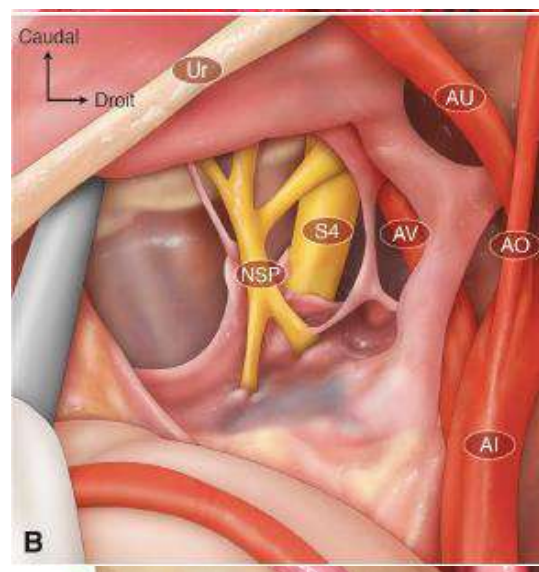
Nyangoh Timoh



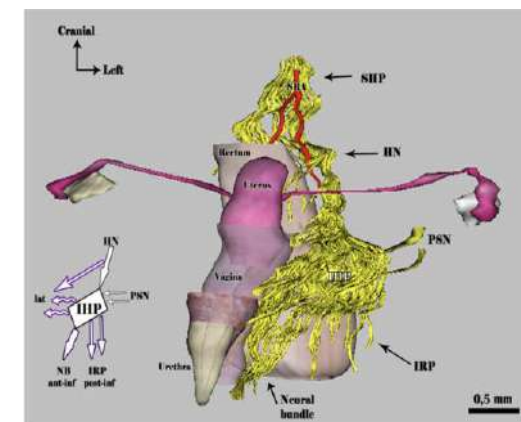
Nyangoh Timoh



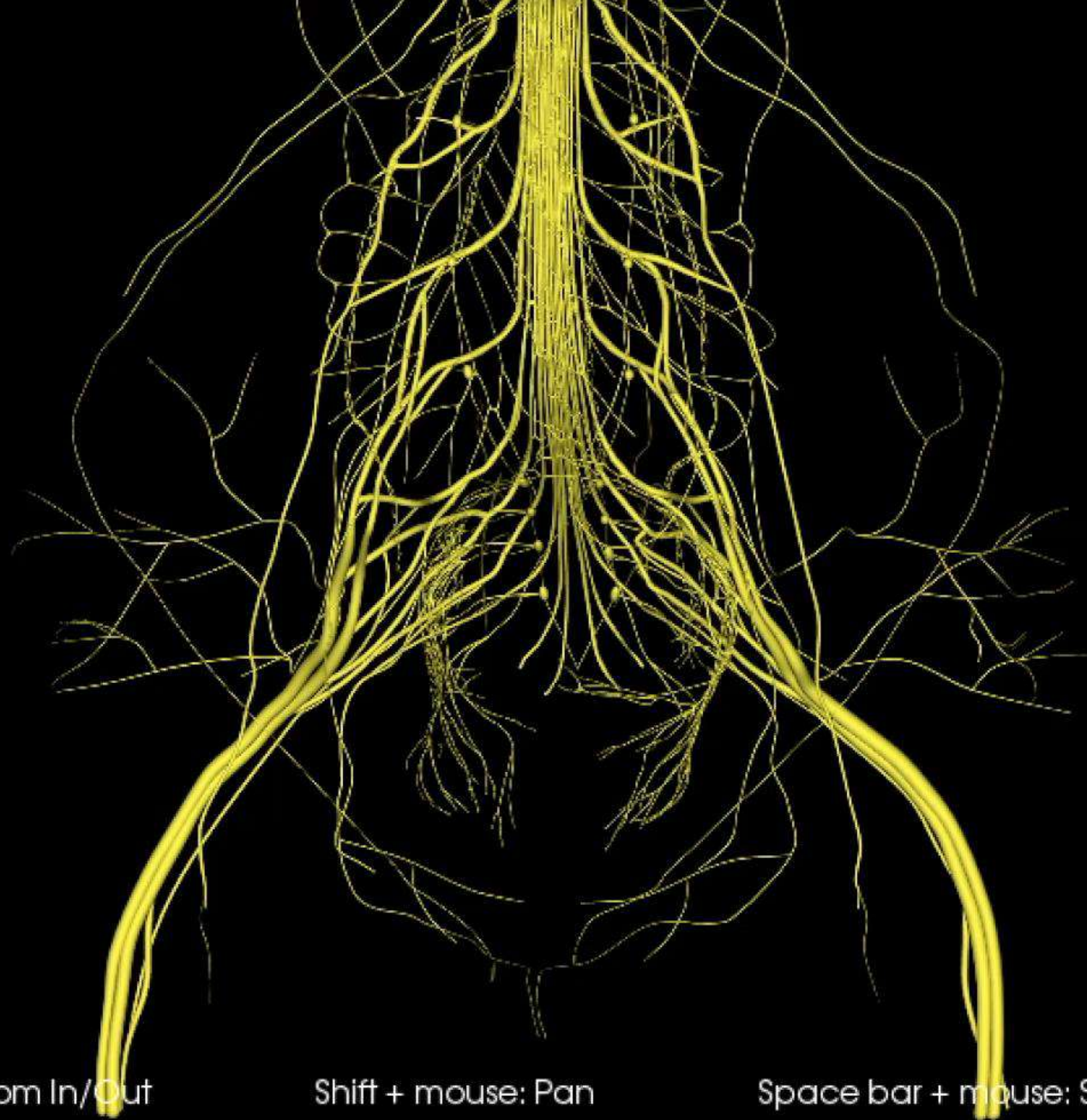
Auore, Röthlisberger and al, *J anat*, 2020



Nyangoh Timoh



Moszkowicz, SRA, 2011

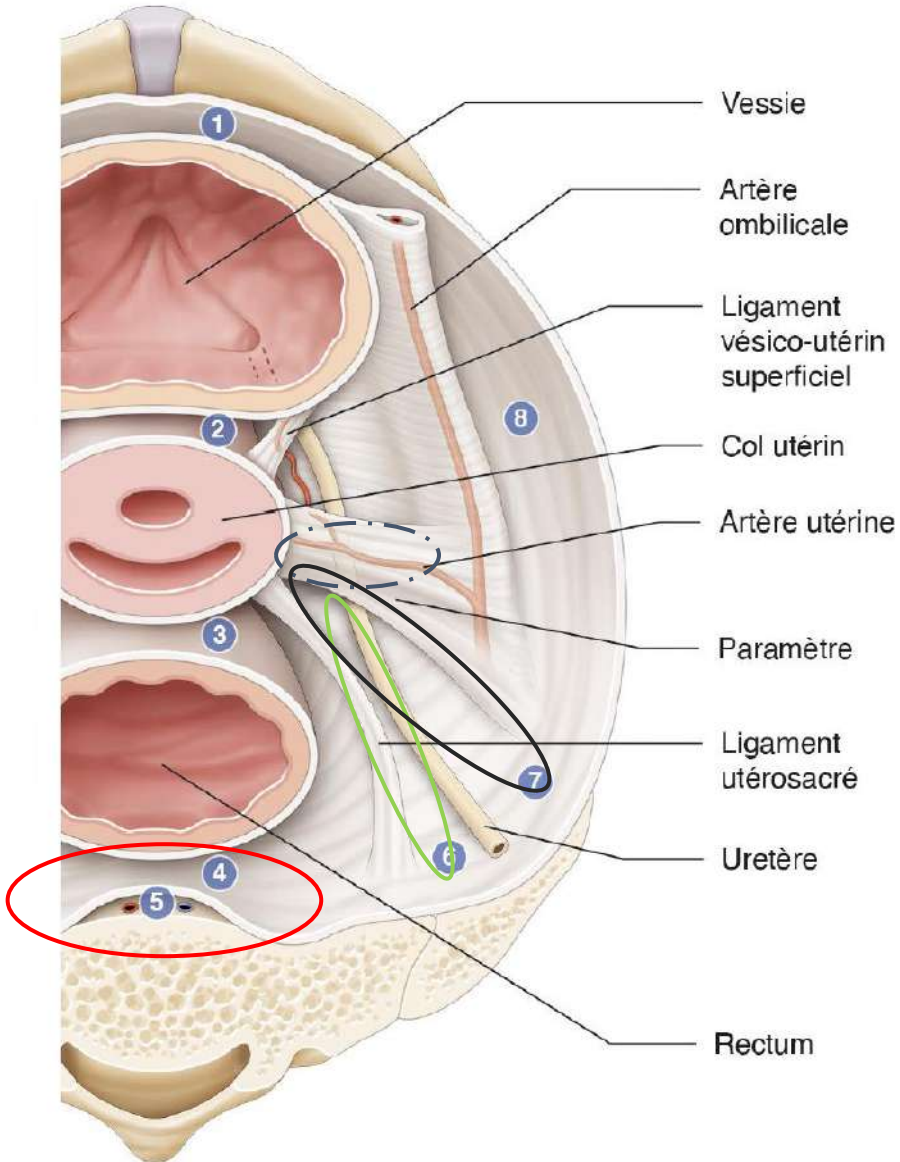


Down: Zoom In/Out

Shift + mouse: Pan

Space bar + mouse: Spin

Navigation and control icons including a scroll wheel, a mouse button, a grid icon, a 2x2 grid icon, a 3x3 grid icon, a head icon, an eye icon, and two horizontal sliders.

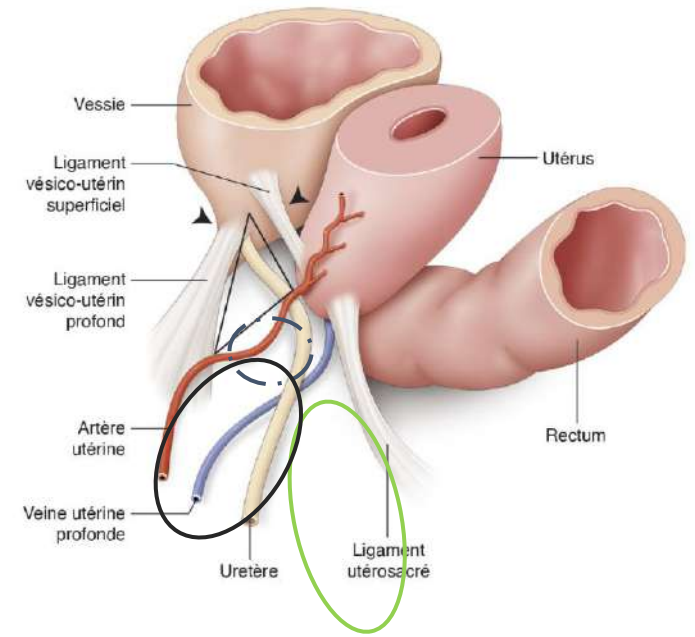


Plexus hypogastrique supérieur
« pré-sacré »

Nerf hypogastrique
« Okabayashi »

Nerfs splanchniques pelviens
« espace pararectal »

Plexus hypogastrique inférieur
« paracervix »

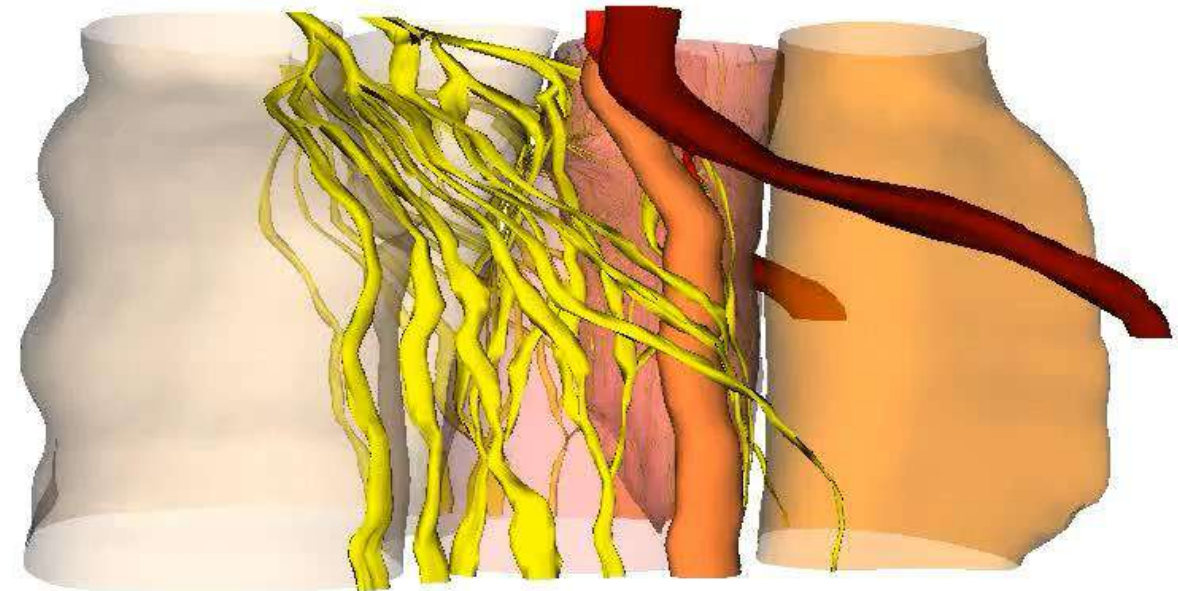
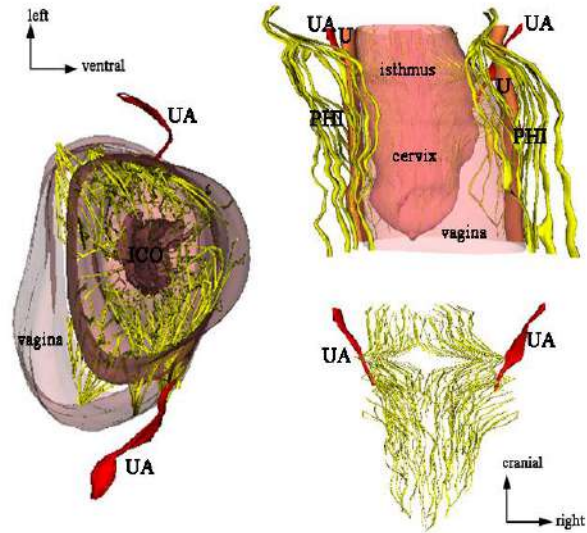
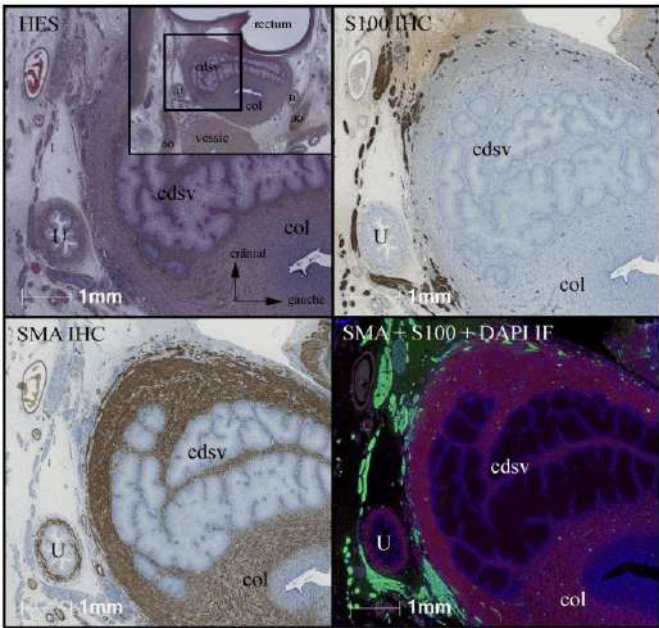
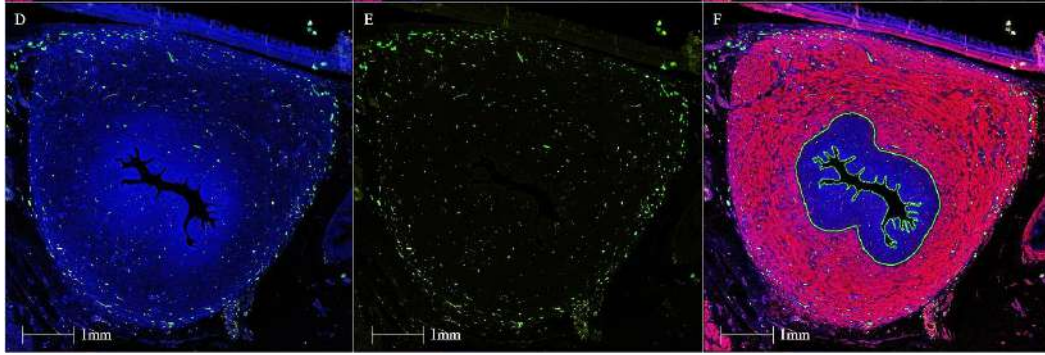


K. Nyangoh Timoh, et al, SRA, 2019

Anatomic and functional mapping of human uterine innervation

Fertility and Sterility®
Jun 2022

Marion Pinsard, M.D.,^a Nicolas Mouchet, M.D., Ph.D.,^b Ludivine Dion, M.D.,^{a,c} Thomas Bessede, M.D., Ph.D.,^{d,e} Martin Bertrand, M.D., Ph.D.,^f Emile Darai, M.D., Ph.D.,^g Pascale Bellaud,^b Philippe Loget, M.D.,^h Séverine Mazaud-Guittot, M.D., Ph.D.,^c Xavier Morandi, M.D., Ph.D.,^{i,j} Jean Leveque, M.D., Ph.D.,^a Vincent Lavoué, M.D., Ph.D.,^{a,c} Martha Duraes, M.D.,^e and Krystel Nyangoh Timoh, M.D., Ph.D.,^{a,k}

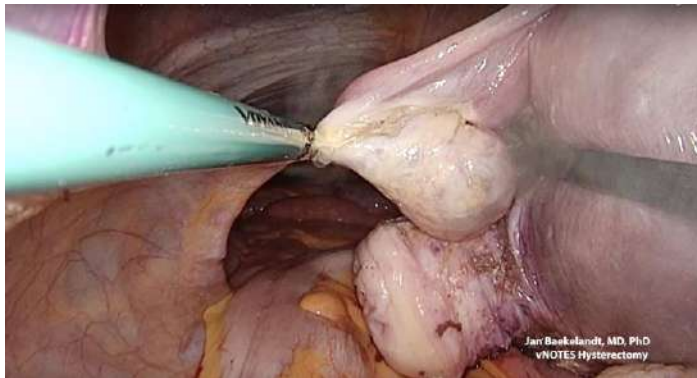
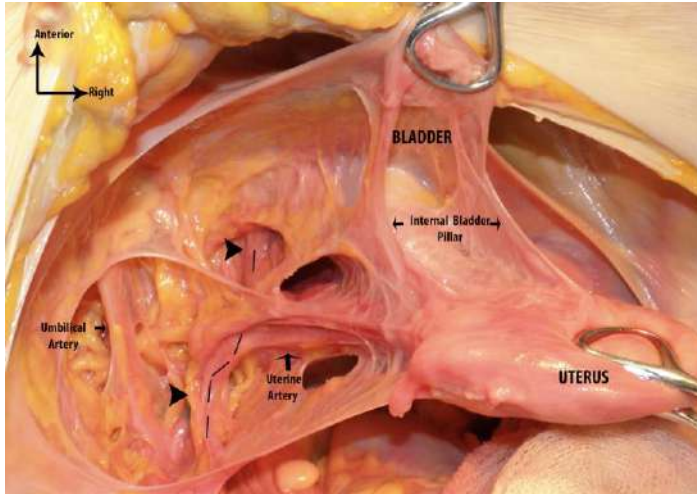
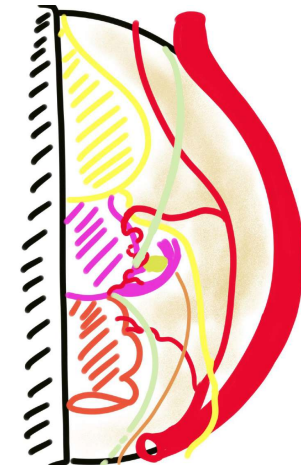


Editorial > Fertil Steril. 2022 Jun;117(6):1289-1290. doi: 10.1016/j.fertnstert.2022.04.006.
Epub 2022 May 6.

Exploring fetal pelvic neuroanatomy: a deep dive into understanding nerve pathways, endometriosis, and pain

Ceana H Nezhat ¹, Kaitlin McGrail ²

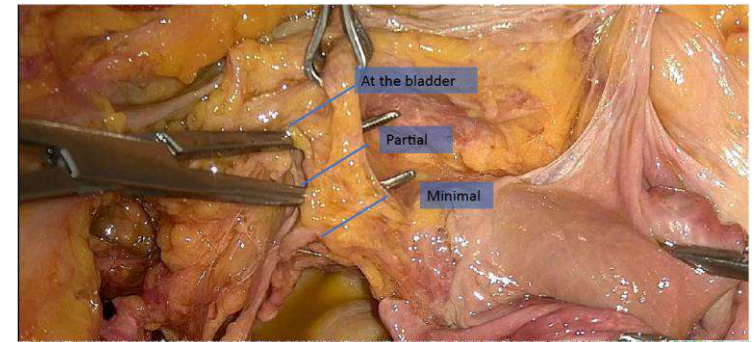
Pour conclure,



GYNECOLOGY

International expert consensus on the surgical anatomic classification of radical hysterectomies AJOG, 2023

Denis Querieu, MD; David Cibula, MD; Nadeem R. Abu-Rustum, MD; Francesco Fanfani, MD, PhD; Anna Fagotti, MD, PhD; Luigi Pedone Anchorà, MD; Manuel Maria Ianieri, MD; Vito Chiantera, MD; Nicolò Bizzari, MD; Giovanni Scambia, MD



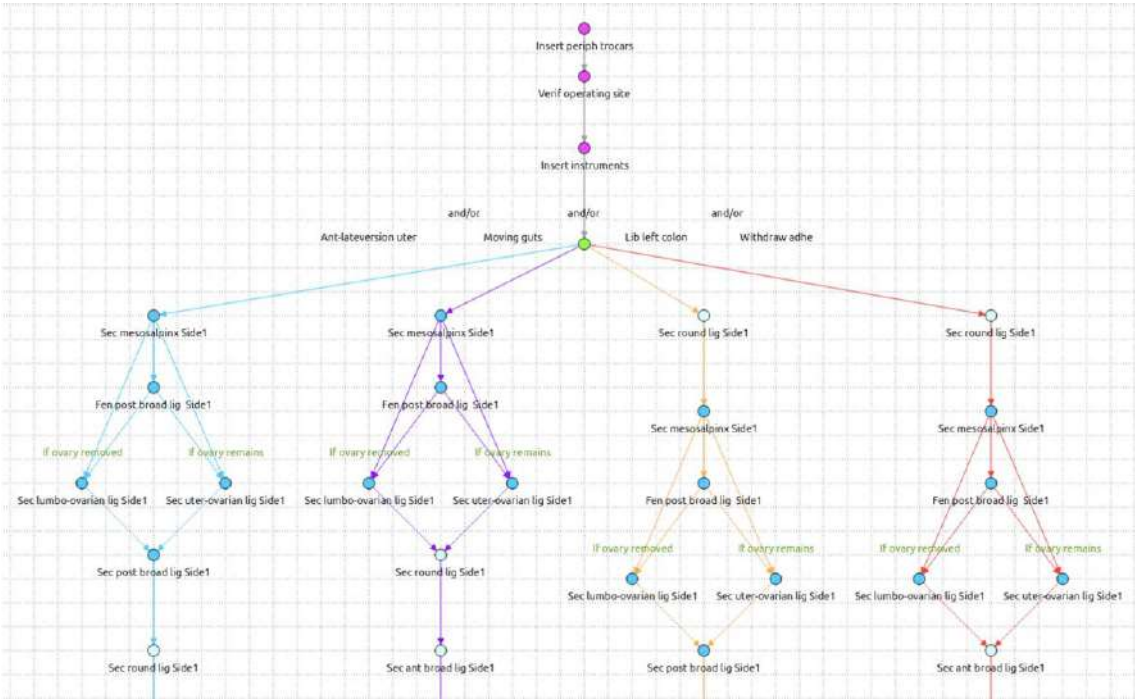
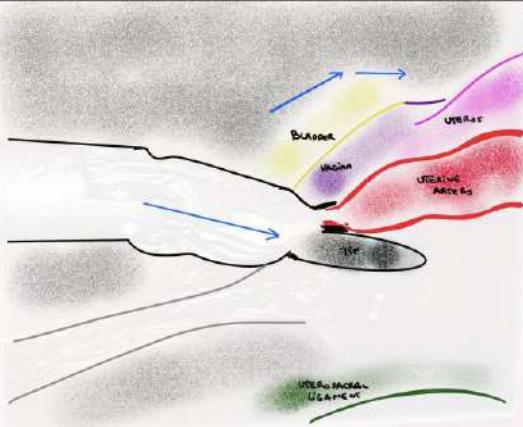
Delphi Consensus : Hysterectomie robotique

SPM

Clinically meaningful

Ontologie

Machine readable



32 Experts



To Join :
k.nyangoh@gmail.com



“Le chirurgien doit être un anatomiste averti.”

Henri Albert Hartmann, début du XXIème siècle.

Anatomie Opératoire Pelvienne

K. Nyangoh Timoh, F. Robin, V. Lavoué, L.Dion, X. Morandi, J.Leveque

*« Sans connaissance de l'anatomie, la
chirurgie est un jeu de hasard »*



**Université
de Rennes**



Inserm

Institut national
de la santé et de la recherche médicale