



Curriculum Vitae – Pierre BOURGEOIS

Demographical characteristics

Education/profession

Clinical and scientific lymphological activities

Chapters in book on request of publisher

Selection of scientific lymphological papers:

Basic Lymphology:

The “sentinel lymph nodes”;

Clinical (lymphological) Oncology;

« Lymph-edemat-ology »;

Fluorescence imagings;

Non oncological lymphology;

Demographical characteristics

- Born on January 22, 1954 in Belgium
- Contact details
 - Pierre.bourgeois@bordet.be
 - Institut Jules Bordet,
Service of Nuclear Medicine and
Multidisciplinary Clinic of Lymphology and
Group R&D Clinical Applications of Fluorescence Imagings (GCAFI)
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Education/profession

- 1978 : “Docteur en Médecine, Chirurgie et Accouchements” (MD) de la Faculté de Médecine de l’Université Libre de Bruxelles
- 1982 : “Spécialiste en Radio-radium-thérapie et Médecine Nucléaire” de la Faculté de Médecine de l’Université Libre de Bruxelles
- **1997 : « Agrégé de l’Enseignement Supérieur (Médecine Nucléaire) de la Faculté de Médecine de l’Université Libre de Bruxelles » Doctoral Thesis (PhD) : « The post-operative lymphoscintigraphic investigations of the internal mammary and axillary lymph nodes in the management and prognosis of breast cancers » ;**
- 2003 : Nomination by the Faculté de Médecine de l’Université Libre de Bruxelles as Head of Clinic (Professor) full-time in the Service of Nuclear Medicine of the Institute Jules Bordet.

Clinical and scientific lymphological activities

- **1978: first lymphoscintigraphic investigations for the management of patients with lower limb edemas and of patients with breast cancer**
- **1980: Co-Founder of the European Society of Lymphology (actual name) (ESL):** ESL President from 2003 to 2006: President of the ESL Scientific Committee (up to 2015)
- 1990: Co-Founder and 1st Editor-in-chief of the “European Journal of Lymphology and Related Problems”
- Organisator of the first “European Course of Lymphology” in 2004
- Co-Founder (and President) of the Belgian Society of Lymphology (BeSl) in 2015
- Organisator of the « Post-Graduate Education Workshop: Edemas and Lymphoscintigraphies » in 2011
- Dd November 2011 : Coordinator of the Multidisciplinary Clinic of Lymphology (Institut Jules Bordet)
- Dd. October 2012: (Promotor and) Coordinator of the Group R&D Clinical Applications of Fluorescence Imagings (GCAFI) with co-workers in the Institute Jules Bordet and the CHU St Pierre;
- **Co-Promotor of the work “ Importance de la captation lymphocytaire du traceur ^{99m}Tc -MIBI et ses aspects radio-biologiques” by Mrs Naima TAIBI who obtained the tittle of Doctor of Sciences (D.Sc.) from la Faculté des Sciences de l’Université Libre de Bruxelles in 2006**
- **Co-Promotor for the work-thesis of Dr Gabriel LIBERALE (Inst. J. Bordet: 2017), Dr Antoine DIGONNET (Inst. J. Bordet:2019), Dr Isabelle VEYS (Inst. J. Bordet: under course), Dr Maxime FASTREZ (CHU St Pierre: under course), Mr Romain BARBIEUX (AZ VUB: under course)**
- Giving lectures at and attending (inter)national congresses;
- Reviewing manuscripts for (inter)national journals;
- Contributing in scientific commissions and expert groups;

- (inter)university courses for students-doctors in Medicine, concerning nuclear medicine, lymphology and oncology

Chapters in book on request of publisher

"Lymphoscintigraphy in adult malignancy"

P.Bourgeois

In "Nuclear Medicine in Clinical Diagnosis and Treatment", pp 699-705, JPC Murray and PJ Ell, Churchill Livingstone Ed, **1994**

P.Bourgeois and J.Fruhling

In "Nuclear Medicine in Clinical Diagnosis and Treatment", pp 783-790, JPC Murray and PJ Ell, Churchill Livingstone Ed, **1998**

"Free vascularized lymphatic node transplantation for lymphoedema"

C.Becker, P.Bourgeois and A.Gilbert

In "Surgery of the skin and skeleton of the hand" pp 371-377, R Tubiana and A Gilbert, Martin Dunitz Ltd Ed, **2001**

"Combined role of Lymphoscintigraphy, X-ray Computed Tomography, Magnetic Resonance Imaging and Positron Emission Tomography in the management of lymphadematous diseases."

P. Bourgeois

In "Lymphedema: a concise compendium of theory and practice" BB Lee, JJ Bergan and SG Rockson, Springer UK Ed **2011**

"Lymphoscintigraphy and other imaging methods"

P. Bourgeois

In "Lymphedema: presentation, diagnosis and treatment" Ak Green, SA Slavin and H Brörson, Springer UK Ed **2015**

Selection of scientific lymphological papers:

Basic Lymphology:

"Effects of age and lateralisation on lymphoscintigraphic interpretation"

P.Bourgeois.

Nuclear Medicine Communications 2002;23/3:257-260

“Scintigraphic investigations of the lymphatic system : the influence of the injected volume and quantity of labeled colloidal tracer.”

P Bourgeois

J Nucl Med 2007 ;48 :693-695

“Scintigraphic investigations of the superficial lymphatic system: quantitative differences between intradermal and subcutaneous injections”.

P Bourgeois, O Leduc, JP Belgrado and A Leduc.

Nucl Med Commun 2009;30(4):270-274

“Effect of lateralization and handedness on the function of the lymphatic system of the upper limbs”

Bourgeois P, Leduc O, Belgrado JP, Leduc A

Lymphology 2010;43:78-84

The sentinel lymph nodes:

"Envahissement du ganglion sentinelle dans les cancers mammaires T0-T1"

D.Dequanter, D.Hertens, I.Veys, J.M.Nogaret, D.Larsimont, P.Bourgeois

Annales de Chirurgie 2001:126:654-658

"How hot is the pathologically positive sentinel node in breast carcinoma patients?"

P.Bourgeois, JM Nogaret, I.Veys, D.Hertens, J.Dagnelie, C.Vanhaudenaerde, JM Verdebout and D.Larsimont.

Nucl Med Commun. 2003 May;24(5):513-8.

"Sentinel lymph node imaging and research after bone scan in patients with breast cancer ?"

P.Bourgeois, JM Nogaret, I.Veys, D.Hertens, I.Noterman J.Dagnelie, C.Vanhaudenaerde, and D.Larsimont

Breast. 2003 Jun;12(3):194-202.

“Sentinel lymph node evaluation in squamous cell carcinoma of the head and neck cancer: preliminary results.”

Dequanter D, Lothaire P, Bourgeois P, Flamen P, Lemort M and Andry G

Acta Chir Belg. 2006 Sep-Oct;106(5):519-22.

“Isotope labelling and axillary node harvesting strategies for breast cancer”

P. Bourgeois, J.M. Nogaret*, I. Veys*, D. Hertens*, D. Noterman*, J.C. Schobbens*, M. Paesmans^o and D. Larsimont**

Eur J Surg Oncol. 2008;34(6):615-619 [Epub ahead of print: 2007 15 jun]

“Clinical validation of a molecular assay for intra-operative detection of metastases in breast sentinel lymph nodes”

Martin Martinez MD, Veys I, Majjaj S, Lespagnard L, Schobbens JC, Rouas G, Filippov V, Noterman D, Hertens D, Feoli F, Bourgeois P, Durbecq V, Larsimont D, Nogaret JM
Eur J Surg Oncol. 2008 Jul 16. [Epub ahead of print]

« Eighteen months clinical experience with the GeneSearch breast lymph node assay.”
Veys I, Durbecq V, Majjaj S, Schobbens JC, Noterman D, Sirtaine N, Martinez MD, Hertens D, Feoli F, Bourgeois P, Nogaret JM, Larsimont D.
Am J Surg. 2009 Feb 26. [Epub ahead of print]

“Evaluation of the histological size of the sentinel lymph node metastases using RT-PCR assay: a rapid tool to estimate the risk of non-sentinel lymph node invasion in patients with breast cancer.”
Veys I, Majjaj S, Salgado R, Noterman D, Schobbens JC, Manouach F, Bourgeois P, Nogaret JM, Larsimont D, Durbecq V.
Breast Cancer Res Treat. 2010 Dec;124(3):599-605.

Clinical lymphological Oncology;

"Post Operative Axillary Lymphoscintigraphy in the management of breast cancer".
P. Bourgeois, J. Frühling and J. Henry.
Int. J. Radiation Oncology Biol. Phys. Vol. 9, p 29-32, 1983

"Internal mammary lymphoscintigraphy: current status in the treatment of breast cancer"
P. Bourgeois and J. Frühling
C.R.C. Critical Reviews oncology-hematology, vol I, p 21 - 47, 1984

"Axillary lymphoscintigraphy: current status in the treatment of breast cancer"
J. Frühling and P. Bourgeois
C.R.C. Critical Reviews oncology-hematology, vol I, p 1 - 20, 1984

"Imagerie actuelle du système lymphatique"
J.M. Collette, T. Barras, P. Bourgeois, J. Lardinois, P. Petroons, R.F. Bondelinger et J.C. Kurdziel
Encycl. Med. Chir. (Paris, France), radiodiagnostic III, 32290 A1°, p 22, 2, 1988

"Axillary dissection in breast cancer revisited"
W. Mattheiem, P. Bourgeois, A. Delcorde, M. Stegen and J. Frühling
European Journal of Surgical Oncology 15/6, pp 490-495, 1989

"Treatment of the axilla with surgery and radiation: pre- operative and post-operative risk assessment"
Leitch AM, MeeK AG, Smith RA, Boris M, Bourgeois P, Higgins S, Pressman PI, Stevens J, Stevens RE
Cancer 1998;83:2877-79

"The Heterolateral Internal Mammary Chain Invasion in Breast Cancer : Lymphoscintigraphic Data."
P. Bourgeois, and J Frühling
The Breast 1999 :8:107-109

« Axillary recurrence rate in breast cancer patients with negative sentinel lymph node biopsy or containing micrometastases and without further lymphadenectomy: a monocentric review of 8 years and 481 cases”

A. Toussaint^a, J.M. Nogaret^a, I. Veys^a, D. Hertens^a, D. Noterman^a, F. De Neubourg^a, D. Larsimont^c, P. Bourgeois^b
Breast J. 2011 Jul;17(4):337-42.

Time trends in axilla management among early breast cancer patients: persisting major variation in clinical practice across European centers

Adam Gondos¹, Lina Jansen¹, Jörg Heil², Andreas Schneeweiss³, Adri C. Voogd⁴, Jan Frisell⁵, Irma Fredriksson⁵, Ulla Johansson⁵, Tove Filtenborg Tvedskov⁶, Maj-Britt Jensen⁷, Eva Balslev⁸, Olaf Johan Hartmann-Johnsen⁹, Milena Sant¹⁰, Paolo Baili¹⁰, Roberto Agresti¹¹, Tony van de Velde¹², Annegien Broeks¹³, Jean-Marie Nogaret¹⁴, Pierre Bourgeois¹⁵, Michel Moreau¹⁶, Zoltán Mátrai¹⁷, Ákos Sávolt¹⁷, Péter Nagy^{18,19}, Miklós Kásler²⁰, Petra Schrotz-King^{21,22}, Cornelia Ulrich^{21,22,23}, Hermann Brenner

IActa Oncologica 2016 DOI: 10.3109/0284186X.2015.1136751

« Lymph-edemat-ology »;

"Imaging techniques in the prevention and management of post-therapeutic upper limb edemas ?"

P.Bourgeois, Leduc O, Belgrado JP and Leduc A
Cancer 1998 :83:2805-2813

"The physical treatment of upper limb edemas"

Leduc O, P.Bourgeois, Belgrado JP and Leduc A
Cancer 1998:83:2835-39

“La lymphoscintigraphie dans la prise en charge thérapeutique des oedèmes des membres par les soins de santé en Belgique. ».

Bourgeois P, Belgrado JP, Aerens.
Journal de la SFBMN 2010 : 3.4 : 675-682

Fluorescence imagings;

Fluorescence imaging after intraoperative intravenous injection of indocyanine green for detection of lymph node metastases in colorectal cancer.

Liberale G, Vankerckhove S, Galdon MG, Donckier V, Larsimont D, Bourgeois P. Group R&D for the Clinical Application of Fluorescence Imaging of the Jules Bordet's Institute.

Eur J Surg Oncol. 2015 Jun 9. pii: S0748-7983(15)00469-2. doi: 10.1016/j.ejso.2015.05.011. [Epub ahead of print]

Fluorescence Imaging After Indocyanine Green Injection for Detection of Peritoneal Metastases in Patients Undergoing Cytoreductive Surgery for Peritoneal Carcinomatosis From Colorectal Cancer: A Pilot Study.

Liberale G, Vankerckhove S, Caldron MG, Ahmed B, Moreau M, Nakadi IE, Larsimont D, Donckier V, Bourgeois P; Group R&D for the Clinical Application of Fluorescence Imaging of the Jules Bordet's Institute.

Ann Surg. 2016 Jan 5. [Epub ahead of print]

Near infrared fluorescent imaging after intravenous injection of indocyanine green during neck dissection in patients with head and neck cancer: A feasibility study. Group R&D for the Clinical Application of Fluorescence Imaging of the Jules Bordet's Institute.

Digonnet A, van Kerckhove S, Moreau M, Willemse E, Quiriny M, Ahmed B, de Saint Aubain N, Andry G, Bourgeois P.
Head Neck. 2015 Dec 24. doi: 10.1002/hed.24331. [Epub ahead of print]

Non oncological clinical lymphology:

"Lymphatic disorders in rheumatoid arthritis"

E.Joos, P.Bourgeois and J.P.Famaey

Seminars in Arthritis and Rheumatism, 22 , pp 392-398, 1993

"Bicyclist's vulva: observational study"

L.Baeyens, E.Vermeersch and P.Bourgeois

British Medical Journal 2002;325/7356:138-139

"Glomeruloid microvascular proliferation in angiomyomatous hamartoma of the lymph node."

Dargent, JL, Lespagnard L, Verdeebout JM, Bourgeois P and Munck D

Virchows Arch. 2004 Sep;445(3):320-2. Epub 2004 Jun 19

« Evaluation lymphoscintigraphique d'éventuelles anomalies du système lymphatique au niveau des membres inférieurs de joueurs de football : à propos de six observations.

P Bourgeois et A Leduc.

Rev Française Biophys Med Nucl 2007 ; 31 :10-15

"Chylorrhea after axillary lymph node dissection."

François Sales MD (1), Eric Trepo MD (1), Simona Brondello MD (1), Philippe Lemaître MD (1), Pierre Bourgeois MD, PhD (2)

Eur J Surg Oncol. 2007;33(8):1042-1043 [Epub ahead of print:2007 23 jun]

"Anomalies of thoracic lymph duct drainage demonstrated by lymphoscintigraphy and review of the literature about these anomalies"

Bourgeois P*, Munck D** and Sales F***

Eur J Surg Oncol. 2008; 34(5):553-55 [Epub ahead of print: 2007:15 Jun]

"Lymphatic system anomalies in Crouzon syndrome."

Bourgeois, Pierre; Moniotte, Stéphane

British Medical Journal : case report 2009

« Lymphoscintigraphy, Angiomyomatous Hamartomas and Primary Lower Limb Lymphedemas". P

Bourgeois, JL Dargent, D Larsimont, D Munck, F Sales, M Boels, C De Valck.

Clin Nucl Med 2009 ;34 :405-9