

**CURRICULUM VITAE**

**I. Informations générales**

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|------|--|-----------------------------|
| 1.1. | Nom, Prénom(s)   | De Maertelaer , Viviane     |
| 1.2. | Sexe   | F                           |
| 1.3. | Lieu et date de naissance                                    | Ixelles, le 11.11.1946      |
| 1.4. | Nationalité  | Belge                       |
| 1.5. | Adresse complète du domicile légal                           | Rue du Coq 14<br>1380 Lasne |
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| 1.7. | Téléphone (domicile et professionnel) + fax + e-mail         |                             |
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| 1.8. | Connaissance des langues : - active : anglais, (néerlandais) |                             |
|      | - passive : allemand, italien                                |                             |

## II. Titres universitaires.

Université Libre de Bruxelles

### 1. Licence en Sciences Physiques (1968)

Grade : Distinction.

Mémoire en Physique Nucléaire, titre : "Interaction Coulombienne de deux Oscillateurs harmoniques". Juillet 1968.

### 2. Agrégation de l'Enseignement Secondaire Supérieur (1968)

Grade : Distinction

### 3. Licence Spéciale en Radiobiologie (1973)

Grade : La plus grande distinction

### 4. Doctorat en Sciences (pour le groupe des Sciences Physiques) (1978)

Grade : La plus grande distinction

Thèse de doctorat; titre : " Etude théorique des propriétés cinétiques de la phase G1 du cycle mitotique "

### 5. Cours de spécialisation à l'Institut de Statistique de l'ULB, dans le cadre de la Licence spéciale en Mathématiques appliquées à la Gestion.(1978-1979)

## III. Carrière scientifique :

### 3.1 Postes occupés

- professeur temps plein à l'ULB depuis le 01.01. 2003
- consultant au Ministère des Affaires Sociales, de la Santé Publique et de l'Environnement –Inspection générale de la pharmacie depuis 2001
- expert auprès de l'EMA (Agence Européenne pour l'Evaluation des Médicaments)-Londres depuis 2001
- professeur temps partiel à l'ULB, depuis 1996
- conférencier à l'ULB pour le cours "Biostatistics" (3<sup>e</sup> cycle maîtrise en pharmacologie et médecine appliquée à l'industrie pharmaceutique) depuis 1992
- attachée à la direction de l'hôpital Erasme pour les projets de consultance en programmation hospitalière depuis 1988
- chargé de cours à l'ULB depuis 1980
- chef de travaux à l'ULB depuis 1980
- chargé de conférence à l'ULB de 1979 à 1980

- 1<sup>er</sup> assistant à l'ULB de 1979 à 1980
- suppléant à l'ULB de 1978 à 1979
- assistant à l'ULB de 1971 à 1979
- chercheur à l'ULB (Lab. de Médecine Nucléaire, Fac. Médecine) de 1969 à 1971)  
contrat ARC

### **3.2 Séjours à l'étranger**

- Stage de recherche de 3 mois au Centre de recherche de l'EURATOM à Ispra (Italie), octobre à décembre 1968; boursier de l'Euratom

## **IV. Carrière d'enseignement :**

### **4.1. Enseignement universitaire: ULB**

#### **4.1.1 Cours théoriques**

- Statistiques appliquées aux sciences biomédicales (STAT 088), th.15h-TP 15h, depuis 1996. (2es Cand. Médecine, Sc. Dentaire, Sc. Biomédicales, Sc. Vétérinaires, Sapu3 ESP)
- Méthodes statistiques appliquées aux études de santé au travail (STAT 085), th. 25h, depuis 1996 (DES en Médecine du travail)
- Eléments de statistique générale et appliquée (STAT 033) th.15h, TP 15h, depuis 1980. (1es Lic. Kiné., Ed. Phys. 2<sup>e</sup> Cand. Pharmacie)
- Traitement statistique des données biologiques et introduction à la bioinformatique (INFO 094 ) 1,5 crédits ECTS, depuis 2004. (1es Lic. Sc. Biomédicales)
- Méthodes statistiques pour l'évaluation de l'efficacité diagnostique des méthodes d'investigation , 15h (3<sup>e</sup> cycle formation des spécialistes en médecine nucléaire ) , depuis 1986.
- Participation aux collèges d'enseignement des DES en orthodontie, en paradontologie (depuis 1992).
- Bioinformatique et Biostatistique (th. 2 ECTS, Exercices 2ECTS) Partim 1/2. (1<sup>e</sup> Lic. Biologie Moléculaire et Médicale- Orientation Biotechnologie) ULB-UMH depuis 2003-2004.
- Biostatistics (20 h) : Post-graduate Program in Pharmacology and Pharmaceutical Medicine. Programme PHARMED) depuis 1992.
  
- introduction mathématique et éléments de statistique (MATH ?, STAT ?) de 1978 à 1980
- statistique appliquée aux études cliniques et de laboratoire (STAT 038 ), th.20h, TP 20h , 1994-1995
- statistiques démographiques et sanitaires (STAT 825 ) 25h, de 1983 à 1995

#### **4.1.2 Travaux pratiques :**

- exercices et séminaires de biostatistique, charge plein temps (330 heures/an) de 1971 à 1980

## 4.2.

### **Enseignement non universitaire.**

- Physique générale, 30h ( Institut Supérieur de Kinésithérapie et Physiotechnique) de 1978 à 1985
- Mathématiques, Dessin technique, mi-temps de janvier 1989 à novembre 1969; Institut Meurisse-CERIA

### **4.3. Direction de travaux de fin de 2ème et 3ème cycles:**

- Postdoctorat de Mr Didier Pottier –Dr en Sc. Biologiques- Université de Caen, France.
- Stage de perfectionnement en Statistique médicale du Dr. Mohamed SYLLA, chef du Service de Statistique à l'Inspection Régionale de la Santé de la Basse Guinée (01-10-1988 au 30-09-1989).
- Mémoire en biostatistique de Mademoiselle Bénédicte DELCOIGNE : Licence Spéciale en Statistique (1995-1996).
- Mémoire en biostatistique de Mademoiselle Catherine LEGRAND - Licence en Sciences Mathématiques : Orientation Statistique (1997-1998). Titre : L'analyse discriminante : Théorie statistique et applications en médecine.
- Mémoire en biostatistique de Mademoiselle Florence MOTTE - Licence en Sciences Mathématiques : orientation Statistique (1998-1999). Titre : Méthodes de bioéquivalence; comparaison des effets d'un antibiotique administré sous deux modalités différentes.
- Mémoire en biostatistique de Mademoiselle Cathy MICUS - Licence en Sciences Mathématiques : orientation Statistique (1998-1999). Titre : Application médicale de la régression logistique à des données recueillies lors d'une étude pneumologique.

## V. Publications et activités scientifiques :

### 5.1 Listes des publications

#### 5.1.1 Ouvrages publiés en collaboration

DE MAERTELAER V.

Cell loss from germinative populations.

In : "Developments in Cell Biology, vol 2 - Biomathematics and Cell Kinetics", ed by AJ Valleron and PDM Mac Donald. Elsevier/North Holland Biomedical Press - Amsterdam - New York (1978) pp 103-113.

DE MAERTELAER V, HEENEN M, GALAND P.

A mathematical model for the evolution of a psoriatic lesion. in "Psoriasis : cell proliferation". Ed by NA Wright, RS Cample John. Churchill Livingstone Edinburgh. London, Melbourne and New York, (1983) pp 300-305.

#### 5.1.2 Articles dans des revues scientifiques internationales avec comité de lecture

DE MAERTELAER, V. CANTRAINE F.

Solutions and modeling for linear differential systems with constant coefficients.

Computer Programs in Biomedicine 2 (1971) 51-60.

KLASTERSKY J, SWINGS G, VANDENBORRE L, WEERTS D, DE MAERTELAER, V.

Effectiveness of the carbenicillin/cephalothin combination against Gram negative bacilli.

Amer J Med Sci 265, 1 (1973) 45-53.

KLASTERSKY J, DANEAU D, DE MAERTELAER V.

Comparative study of tobramycin and gentamicin with special reference to their anti-pseudomonas activity.

Clin Pharmacol Ther, 14 (1973) 104-111.

SAND G, FRUHLING J, PLATTEN-GODFROID C.

Contribution à l'étude de l'ultrastructure de la corticosurrénale de cobaye. J. de Microscopie 17 (1973) 283-298.

Annexe : DE MAERTELAER, V : Méthode de calcul du volume de la surrénale de cobaye.

DE MAERTELAER V, GALAND P.

Cell kinetics : unpredicted behavior of a "Go" - model of the mitotic cycle.

IRCS 2 (1974) 1292.

DE MAERTELAER V, GALAND P.

Some properties of a "G<sub>0</sub>" - model of the cell cycle.

I. Investigation on the possible existence of natural constraints on the theoretical model in steady-state conditions.

Cell and Tissue Kinetics 8 (1975) 11-22.

BIANCHI C, CANTRAINE F, DE MAERTELAER V, COLI A, PALLA R, FABRINI GC.

Reappraisal of serum creatinine as an index of the glomerular filtration rate (measured by external counting).

The J of Nuclear Biology and Medicine 20 (1976) 126-131.

DE MAERTELAER V, GALAND P.

Some properties of "G<sub>0</sub>" - model of the cell cycle. II. Natural constraints on the theoretical model in exponential growth conditions.

Cell and Tissue Kinetics 10 (1977) 35-42.

DE MAERTELAER V, GALAND P.

Stimulated cell kinetics. Susceptibility for induced differentiation as a function of cell age. IRCS 5 (1977) 127.

DE MAERTELAER V, GALAND P.

Cell kinetics : a model of stimulated populations.

J Theoretical Biology 69 (1977) 429-445.

BLEIBERG H, ROZENCWEIG M, LONGEVAL E, FRUHLING J,

DE MAERTELAER V.

Detection of liver metastases : usefulness of peritoneoscopy as complement of liver function tests and liver scintigraphy in 240 cases of cancer.

Surg Gynec Obst 145 (1977) 821 - 825.

DE MAERTELAER V.

Cell loss from germinative populations.

In : "Developments in Cell Biology, vol 2 - Biomathematics and Cell Kinetics", ed by AJ Valleron and PDM Mac Donald. Elsevier/North Holland Biomedical Press - Amsterdam - New York (1978) pp 103-113.

DE MAERTELAER V.

- Heterogeneity of transit times in the G1-phase of the mitotic cycle during embryonic development . IRCS 6 (1978) 445.
- HEENEN M, DE MARTELAER V, GALAND P.  
Psoriasis and cell cycle, a computer simulation.  
Acta Dermatovener (Stockholm) suppl 87 (1979) 73-76.
- LEJEUNE B, DE MAERTELAER V, LEROY C, DELCROIX C.  
Analysis of epithelial mitosis distribution along uterine horns in mice.  
Cell and Tissue Kinetics 13 (1980) 201.
- DORCHY H, MOZIN MJ, DE MAERTELAER V, TOUSSAINT D, LOEB H  
Relations entre ingesta lipidiques (cholestérol, graisses saturées et polyinsaturées), cholestérolémie, contrôle métabolique (HbA<sub>1c</sub>) et rétinopathie des enfants diabétiques.  
La Revue de Pédiatrie 17 (1981) 259-269.
- DE MAERTELAER V, AUTHELET M, NEVE P.  
Effect of aging on the proliferative activity of renewing cell populations after a specific stimulus. IRCS Med Sci 9 (1981) 548-549.
- DE MAERTELAER V, AUTHELET M, NEVE P.  
Effect of aging on the proliferative activity of the vaginal epithelial germinative cells as a response to oestrogenic stimulation.  
Cell Tissue Kinetics 15 (1982) 101.
- DE MAERTELAER V, BRAMBILLA E, MENDELSON J, NAAKTGEBOREN J, BERNHEIM J.  
Rate of DNA synthesis as a function of cell age DNA content from combined microspectrofluorometric and autoradiographic data.  
Cell Tissue Kinetics 15 (1982) 101-102.
- BROHEE D, RONDELEZ L, BAIN H, DE MAERTELAER V.  
Kidney Ageing and Renal Excretion of Amylase.  
Gerontology 28 (1982) 386-391.
- SCHOLLER Y, DE MAERTELAER V, MALAISSE W J.  
Mathematical modelling of stimulus secretion coupling in the pancreatic B cell. I. Dynamics of insulin release.  
Acta Diabetologica Latina, 20 (1983) 329-340.
- DE MAERTELAER V, POTTIER D.  
Cell populations need an internal regulatory mechanism to recover their initial steady state after a transient hormone-like modulation.  
IRCS Journal of Medical Science, 11 (1983) 871-873.
- SCHOLLER Y, DE MAERTELAER V, MALAISSE W J.  
Mathematical modelling of stimulus-secretion coupling in the pancreatic  $\beta$ -cell. III. Glucose-induced inhibition of calcium efflux.  
Biophys J 46 (1984) 439-446.
- POORTMANS J, DORCHY H, DE MAERTELAER V.  
Subclinical Proteinuria in type I Diabetic Children and Adolescents : Relationship to Duration of Diabetes, Metabolic Control, HLA-DR Type, Retinopathy and Neuropathy.  
Diabetic Nephropathy 3 (1984) 123-126.
- DORCHY H, NOEL P, KRUGER M, DE MAERTELAER V, DUPONT E, TOUSSAINT D, PELC S.  
Peroneal motor nerve conduction velocity in diabetic children and adolescents. Relationship to metabolic control, HLA-DR types, retinopathy and EEG.  
Eur J Pediatrics 144 (1985) 310-315.
- SCHOLLER Y, DE MAERTELAER V, MALAISSE W J.  
Mathematical modelling of stimulus-secretion coupling in the pancreatic  $\beta$ -cell. II. Calcium-stimulated calcium release.  
Comput Programs Biomed 19 (1985) 119-126.
- DE MAERTELAER V, POTTIER D.  
Stability conditions of cell populations in vivo.  
J Theor Biol 113 (1985) 299-310.
- UNGER J, DE MAERTELAER V, GOLSTEIN J, DECOSTER C, JONCKHEER M H.  
Relationship between serum thyroglobulin and intrathyroidal stable iodine in human simple goiter.  
Clin Endocrinol 23 (1985) 1- 6.
- DEVIERE J, KENNES B, CLOSSET J D, DE MAERTELAER V, NEVE P.  
Immune senescence : effect of age, sex and health on human blood mononuclear subpopulations.  
Arch Gerontol Geriatr 4 (1985) 285-293.
- LINKOWSKI P, DE MAERTELAER V, MENDLEWICZ J.  
Suicidal behaviour in major depressive illness.  
Acta psychiat Scand 72 (1985) 233-238.
- KERKHOF M, HOFFMAN G, DE MAERTELAER V, LINKOWSKI P, MENDLEWICZ J.  
Sleep EEG Recordings in Depressive Disorders.  
J Affect Disorders 9 (1985) 47-53.



- MALAISSIE W J, SCHOLLER Y, DE MAERTELAER V.  
Mathematical modelling of stimulus-secretion coupling in the pancreatic B-cell. IV. Dissociated time course for the glucose-induced changes in distinct  $Ca^{2+}$  movements.  
*Diabetes Res* 2 (1985) 195-199.
- BROHEE D, DE MAERTELAER V, PIRO P, KENNES B, NEVE P.  
Specific Effect of Age on Lectin-Induced Mitogenesis of Lymphocytes from Diseased Patients. *Gerontology* 32 (1986) 74-80.
- DORCHY H, NOEL P, KRUGER M, DE MAERTELAER V, DUPONT E, TOUSSAINT D, PELC S.  
Peroneal Motor Nerve Conduction Velocity in Diabetic Children and adolescence. Relationships to Metabolic Control, HLA-DR Antigens, Retinopathy, and Electroencephalogram.  
*Pediatr Adolesc Endocrinol* 15 (1986) 252-261.
- DORCHY H, POORTMANS J, DE MAERTELAER V.  
Protéinurie subclinique chez les enfants et les adolescents diabétiques. Absence de relation avec les antigènes HLA-DR, la rétinopathie et la neuropathie débutantes.  
*Diabète et Métabolisme* 12 (1986) 97.
- KENNES B, DEVIERE J, BROHEE D, DE MAERTELAER V, NEVE P.  
The effect of age, sex and health status on the distribution and functions of human blood mononuclear subpopulations.  
*Modern trends in ageing research* 147 (1986) 231-234.
- LINKOWSKI P, CASTRO P, DE MAERTELAER V, MENDLEWICZ J.  
TSH Response to TRH : a multivariate study.  
*Biol Psychiatry* 7 (1986) 767-769.
- BROHEE D, DE MAERTELAER V, PIRO P, KENNES B, NEVE P.  
Age -specific effect on lectin-mitogenesis by lymphocytes from diseased patients.  
*Cytobios* 45 (1986) 139-146.
- MEUNIER-CARPENTIER F, VAN DER AUWERA P, SCHMITT H, DE MAERTELAER V, KLASTERSLY J.  
Pharmacokinetic of gentamicin after IV infusion or IV bolus.  
*J Antimicrobial Chemotherapy* 19 (1987) 225-231.
- JEANTY P, COUSSAERT E, DE MAERTELAER V, CANTRAINE F.  
Sonographic detection of smoking-related decreased fetal growth.  
*J. Ultrasound Med* 6 (1987) 13-19.
- DE MAERTELAER V, JACQUY J.  
Multivariate analysis of the effect of climatic factors on the probability of cerebral infarction according to age.  
*Acta Neurol Scand* 75 (1987) 56-61.
- DE MAERTELAER V, CALAY R, NEVE P.  
Thyroid, Lipid and Other Biological Variables in Elderly Patients with Asymptomatic Autoimmune Thyroiditis : A Statistical Analysis.  
*Gerontology* 33 (1987) 315-326.
- FERY F, DE MAERTELAER V, BALASSE E O.  
Mechanism of the hyperketonaemic effect of prolonged exercise in insulin - deprived Type 1 (insulin - dependent) diabetic patients.  
*Diabetologia* 30 (1987) 298-304.
- DE MAERTELAER V, HOFFMAN G, LEMAIRE M, MENDLEWICZ J.  
Sleep Spindle Activity Changes in Patients With Affective Disorders.  
*Sleep* 10 (1987) 443-451.
- DEVIERE J, BROHEE D, KENNES B, DE MAERTELAER V, NEVE P.  
Effect of age, sex and health state on human lymphocyte functions : demonstration of a sex-related defect in suppressor cell function.  
*Arch Gerontol Geriatr* 6 (1987) 163-175.
- HEENEN M, GALAND P, DE MAERTELAER V, HEENEN PH  
Psoriasis: hyperproliferation cannot induce characteristic epidermal morphology.  
*Cell Tissue Kinet* 20 (1987) 561-570.
- KERKHOF M, KEMPENAERS C, LINKOWSKI P, DE MAERTELAER V, MENDLEWICZ J,  
Multivariate study of sleep EEG in depression.  
*Acta Psychiatr Scand* 77 (1988) 463-468.
- LINKOWSKI P, DE MAERTELAER V, DELARBRE C, PAPADIMITRIOU G, MENDLEWICZ J.  
Familial factors in suicidal behavior.  
*Int J Family Psychiatry*. (Int Universities Press, Inc, Madison, CT) 9 (1989) 123-133.
- DORCHY H, DE SCHEPPER J, HAENTJENS M, DE MAERTELAER V,  
VEROUGSTRAETE C, LOEB H  
The course of incipient diabetic retinopathy in youth as revealed by fluorescein angiography.  
*Pediatr Adolesc Endocrinol* 18 (1989) 101-106.
- GILLES C, RYCKAERT P, DE MOL J, DE MAERTELAERE V, MENDLEWICZ, J.

Clonidine-induced growth hormone secretion in elderly. Patients with senile dementia of the Alzheimer type and major depressive disorder. *Psychiatry Res* 27 (1989) 277-286.

MENDLEWICZ J, SEVY S, DE MAERTELAER V.  
REM Sleep Latency and Morbidity Risk of Affective Disorders in Depressive Illness. *Neuropsychobiology* 22 (1989) 14-17.

MENDLEWICZ J, HIRSCH D, SEVY S, SURMONT D, PAPADIMITRIOU G, DE MAERTELAER V.  
Alpha-2-Adrenoreceptor binding as a possible vulnerability marker for affective disorders. *Neuropsychobiology* 22 (1989) 61-67.

DE MAERTELAER V, AUTHELET M, NEVE P.  
Age-related cell cycle kinetics in the stimulated mouse vaginal epithelium. *Mech Age Dev* 51 (1990) 73-80.

DELVENNE V, DELECLUSE F, HUBAIN Ph, SCHOUTENS A, DE MAERTELAER V, MENDLEWICZ J.  
Regional cerebral blood flow in patients with affective disorders. *Brit J Psychiatry* 157 (1990) 359-365.

HUBAIN PP, CASTRO P, MESTERS P, DE MAERTELAER V, MENDLEWICZ J.  
Alprazolam and amitriptyline in the treatment of major depressive disorder : a double-blind clinical and sleep EEG study. *J Affect Disorders* 18 (1990) 67-73.

KERKHOFS M, RIELAERT C, DE MAERTELAER V, LINKOWSKI P, CZARKA M, MENDLEWICZ J.  
Fluoxetine in major depression : efficacy, safety and effects on sleep polygraphic variables. *Int Clin Psychopharmacology* 4 (1990) 253-260.

SCHOUTENS A, LAURENT E, MARKOWICZ E, LISART J, DE MAERTELAER V.  
Serum triiodothyronine, bone turnover, and bone mass changes in euthyroid pre- and postmenopausal women. *Calcified Tissue Int* 49 (1991) 95-100.

APPELBOOM T, DE MAERTELAER V, DE PREZ E, HAUZEUR J-P,  
DESCHODT-LANCKMAN M.  
Enkephalinase : a physiologic neuroimmunomodulator detected in the synovial fluid. *Arthritis Rheum* (1991) 1048-1051.

MENDLEWICZ J, KEMPENAERS C, DE MAERTELAER V.  
Sleep EEG and Amitriptyline Treatment in Depressed Inpatients. *Biol Psychiatry* 30 (1991) 691-702.

DEMEESTER-MIRKINE N, HOOGHE L, VAN GEERTRUYDEN J, DE MAERTELAER V.  
Hypocalcemia after thyroidectomy. *Arch Surg* 127 (1992) 854-858.

DONNER C, DE MAERTELAER V, RODESCH F.  
Multifetal pregnancy reduction : comparison of obstetrical results with spontaneous twin gestation. *Eur J Obstet Gynecol Reprod Biol* 44 (1992) 181-184.

CARLIER Y, RIVERA MT, TRUYENS C, ONTIVERO M, FLAMENT J, VAN MARCK E, DE MAERTELAER V.  
Chaga's disease : decreased resistance to *Trypanosoma Cruzi* acquired infection in offspring of infected mice. *Am J Trop Med Hyg* 46 (1992) 116-122.

LINKOWSKI P, MARTIN F, DE MAERTELAER V.  
Effect of some climatic factors on violent and non-violent suicides in Belgium. *J Affect Disorders* 25 (1992) 161-166.

GALAND P, DE MAERTELAER V.  
Models of Oestrogen Action : A Cell Kineticist's View. *Epith Cell Biol* 1 (1992) 177-188.

HAUZER JP, SINTZOFF S, APPELBOOM T, DE MAERTELAER V, BENTIN J, PASTEELS J L.  
Relationship between magnetic resonance imaging and histologic findings by bone biopsy in nontraumatic osteonecrosis of the femoral head. *J Rheumatol* 19 (1992) 385-92.

KEMPENAERS CH, SIMENON G, VANDER ELST M, FRANSOLET L, MINGARD P, DE MAERTELAER V, APPELBOOM TH,  
MENDLEWICZ J.  
Effect of an Antidiencephalon immune serum on pain and sleep in primary fibromyalgia. *Neuropsychobiology* 30 (1994) 66-72.

BIVER F, GOLDMAN S, DELVENNE V, LUXEN A, DE MAERTELAER V, HUBAIN P, MENDLEWICZ J, LOTSTRA F  
Frontal and Parietal Metabolic Disturbances in Unipolar Depression. *Biol Psychiatry* 36 (1994) 381-388.

DELVENNE V, LOTSTRA F, GOLDMAN S, BIVER F, DE MAERTELAER V, APPELBOOM-FONDU J, SCHOUTENS A, BIDAUT L-  
M, LUXEN A, MENDLEWICZ J  
Brain Hypometabolism of Glucose in Anorexia Nervosa : A pet Scan Study.

Biol Psychiatry 37 (1995) 161-169.

DONNER C, VERMEYLEN D, KIRPATRICK C, DE MAERTELAER V, RODESCH F  
Management of the Growth-Restricted Fetus : The Role of Noninvasive tests and Fetal Blood Sampling.  
Obstet Gynecol 85 (1995) 965-970.

GEVENOIS P A, ZANEN J, DE MAERTELAER V, DE VUYST P, DUMORTIER P, YERNAULT J-C.  
Macroscopic assessment of pulmonary emphysema by image analysis.  
J Clin Pathol 48 (1995) 318-322.

BIVER F, GOLDMAN S, LUXEN a, DELVENNE, V, DE MAERTELAER V, DE LA FUENTE J, MENDLEWICZ J, LOTSTRA F.  
Altered frontostriatal relationship in unmedicated schizophrenic patients.  
Psychiatry Res (Neuroimaging) 61 (1995) 161-171.

GEVENOIS P A, DE MAERTELAER V, DE VUYST P, ZANEN J, YERNAULT J-C  
Comparison of computed density and macroscopic morphometry in pulmonary emphysema.  
Am J Respir Crit Care Med (formely Am Rev Respir Dis) 152 (1995) 653-657.

NOSEDA A, SCHMERBER J, PRIGOGINE T, DE MAERTELAER V, YERNAULT J-C  
Perception of dyspnoea during acute changes in lung function in patients with either asthma or COPD  
Respiratory Medicine 89 (1995) 477-485.

AVNI E F, CASSART M, DE MAERTELAER V, RYPENS F, VERMEYLEN D, GEVENOIS P A.  
Sonographic prediction of chronic lung disease in the premature undergoing mechanical ventilation.  
Pediatric Radiol 26 (1996) 463-469.

BIVER F, GOLDMAN S, DE MAERTELAER V, LUXEN A, MENDLEWICZ J, LOTSTRA F.  
Interregional correlation of cerebral glucose metabolism in unmedicated schizophrenia.  
Eur. Neuropsychol 6 (1996) 141-147.

DELBAERE A, BERGMANN P J M, GERVY-DECOSTER C, DESCHODT-LANCKMAN M, DE MAERTELAER V, ENGLERT Y  
Periovarian elevation of Angiotensin II in the peritoneal fluid during the human menstrual cycle.  
J Clin Endocrinol Metab. 81 (1996) 2810-2815.

DELVENNE V, GOLDMAN S, DE MAERTELAER V, SIMON Y, LUXEN A, LOTSTRA F.  
Brain hypometabolism of glucose in Anorexia Nervosa : normalization after weight gain.  
Biol Psychiatry 40 (1996) 761-768.

GEVENOIS P A, DE VUYST P, DE MAERTELAER V, ZANEN J, JACOBOWITZ D, COSIO MG, YERNAULT J-C.  
Comparison of computed density and microscopic morphometry in pulmonary emphysema  
Am J Respir Crit Care Med (formely Am Rev Respir Dis) 154 (1996) 187-192.

MARQUES DE ARAUJO S, RIVERA M T, EL BOUHIDI A, DE MAERTELAER V, CARLIER Y.  
Maternal Trypanosoma Cruzi Specific antibodies and worsening of acute infection in mice offspring.  
Am J Trop Med Hyg 54 (1996) 13-17.

GEVENOIS P A, SCILLIA P, DE MAERTELAER V, MICHILS A, DE VUYST P, YERNAULT J-C  
The effects of age, sex, lung size and hyperinflation on CT lung densitometry  
Am J Roentgenology 167 (1996) 1169-1173.

GEVENOIS P A, DE VUYST P, SY M, SCILLIA P, CHAMINADE L, DE MAERTELAER V, ZANEN J, YERNAULT J-C  
Pulmonary emphysema : quantitative CT during expiration.  
Radiology 199 (1996) 825-829.

SOUERY D, LIPP O, MAHIEU B, MENDELBAUM K, DE BRUYN A, DE MAERTELAER V, VAN BROECKHOVEN C,  
MENDLEWICZ J  
Excess Tyrosine hydroxylase restriction Fragment Length polymorphism Homozygosity in Unipolar but not bipolar patients : a preliminary  
report.  
Biol Psychiatry 40 (1996) 305-308.

SOUERY D, LIPP O, MAHIEU B, MENDELBAUM K, DE MAERTELAER V, VAN BROECKHOVEN C, MENDLEWICZ J  
Association study of bipolar disorder with Candidate Genes involved in Catecholamine  
Neurotransmission : DRD<sub>2</sub>, DRD<sub>3</sub>, DAT<sub>1</sub> and TH Genes  
Amer J of Med Genet (Neuropsych Genetics) 67 (1996) 551-556.

MAHIEU B, SOUERY D, LIPP O, MENDELBAUM K, VERHEYEN G, DE MAERTELAER V, VAN BROECKHOVEN C,  
MENDLEWICZ J  
No association between bipolar affective disorder and a serotonin receptor (5-HT<sub>2A</sub>) polymorphism.  
Psychiatry Res 70 (1997) 65-69.

LIESNARD C, DELFORGE M-L, TCHETCHEROFF M, DE MAERTELAER V, FARBER C-M, VANVOOREN J-P  
Importance of method in the determination of syncytium - inducing phenotype of human immunodeficiency virus type 1 clinical isolates  
J Virol Methods 64 (1997) 137-145.

DE MAERTELAER V  
Méta-analyse dans les essais cliniques.

Best of Respiratory 16 (1997) 3-5.

NOSEDA A, CARPIAUX J-P, MARKSTEIN C, MEYVAERT A, DE MAERTELAER V.  
Disabling dyspnoea in patients with advanced disease : lack of effect of nebulized morphine.  
Eur Respir J 10 (1997) 1079-1083.

DELVENNE V, GOLDMAN S, SIMON Y, DE MAERTELAER V, LUXEN A, LOTSTRA F.  
Brain hypometabolism of glucose in bulimia nervosa.  
Int J Eat Disord 21 (1997) 313-320.

DELBAERE A, BERGMANN PJM, GERVY-DECOSTER C, DESCHODT-LANCKMAN M, DE MAERTELAER V, STAROUKINE M, CAMUS M, ENGLERT Y.  
Increased angiotensin II in ascites during severe ovarian hyperstimulation syndrome : role of early pregnancy and ovarian gonadotrophin stimulation.  
Fertil Steril 67 (1997) 1038-1045.

DELVENNE V, GOLDMAN S, DE MAERTELAER V, WLIKER D, DAMHAUT P, LOTSTRA F.  
Brain-glucose metabolism in anorexia nervosa and affective disorders: influence of weight loss or depressive symptomatology.  
Psychiatry Research : Neuroimaging Section 74 (1997) 83-92.

DELBAERE A, BERGMANN PJM, GERVY-DECOSTER C, DE MAERTELAER V, CAMUS M, ENGLERT Y.  
Prorenin and active renin levels in plasma and ascites during severe ovarian hyperstimulation syndrome.  
Human Reprod 12 (1997) 236-240.

SOUERY D, LIPP O, SERRETI A, MAHIEU B, RIVELLI SK, CAVALLINI C, ACKENHEIL M, ADOLFSSON R, ASCHAUER H, BLACKWOOD D, DAM H, DELCOIGNE B, DE MAERTELAER V, DIKEOS D, FUCHSHUBER S, HEIDEN M, JABLENSKY A, JAKOVljeVIC M, KESSING L, LERER B, MACEDO A, MELLERUP T, MILANOVA V, MUIR W, MENDLEWICZ J et al.  
European collaborative project on affective disorders: interactions between genetic and psychosocial vulnerability factors.  
Psychiatr Genet 8 (1998) 197-205.

GEVENOIS PA, DE MAERTELAER V, MADANI A, WINANT C, SERGENT G, DE VUYST P.  
Asbestosis, pleural plaques and diffuse pleural thickening : three distinct benign responses to asbestos exposure.  
Eur Resp J 11 (1998) 1021-1027.

GLINEUR R, VAN SINT JAN S, LOURYAN S, PHILIPPSON C, DE MAERTELAER V, EVRARD L, ROOZE M.  
Effects of Irradiation and Methyl-Triazene on Craniofacial Development in Mouse Embryos : A Semiautomated Morphometric Analysis  
Cleft - Palate craniofacial J 35 (1998) 342-350.

DUMORTIER P, COPLU L, DE MAERTELAER V, EMRI S, BARIS I, DE VUYST P.  
Assessment of Environmental Asbestos Exposure in Turkey by Bronchoalveolar lavage.  
Am J Respir Crit Med 158 (1998) 1815-1824.

GEVENOIS PA, SERGENT G, DE MAERTELAER V, GOUAT F, YERNAULT J-C, DE VUYST P.  
Micronodules and emphysema in coal mine dust or silica exposure : relation with lung function.  
Eur Resp J 12 (1998) 1020-1024.

DELFORGE ML, FARINE S, LIESNARD C, GULBIS B, DE MAERTELAER V, CLUMECK N, FARBER CM, VAN VOOREN JP  
Nutritional status and antiprotease therapy. Letter to the editor.  
J of Acquired Imm Deficiency Syndromes and Human Retrovirology 18 (1998) 393-394.

DELVENNE V, GOLDMAN S, DE MAERTELAER V, LOTSTRA F  
Brain-glucose metabolism in eating disorders assessed by positron emission tomography.  
Int J Eat Disord 25 (1999) 29-37.

BANKIER AA, FLEISCHMANN D, DE MAERTELAER V, KONTRUS M, ZONTSICH T, HITTMARK, MALLEK R  
Subjective differentiation of normal and pathological bronchi on thin-section CT: impact of observer training.  
Eur Resp J 13 (1999) 781-786.

BANKIER A, DE MAERTELAER V, KEYZER C, GEVENOIS PA  
Pulmonary emphysema: subjective visual grading versus objective quantification with macroscopic morphometry and thin-section CT densitometry.  
Radiology 211 (1999) 851-858.

DEVREKER F, POGONICI E, DE MAERTELAER V, REVELARD P, VAN den BERGH M, ENGLERT Y  
Selection of good embryos for transfer depends on embryo size: implications for the "mild ovarian stimulation" debate.  
Human Reprod 14 (1999) 3002-3008.

DAENS S, PERETZ A, DE MAERTELAER V, MORIS M, BERGMANN P  
Efficiency of quantitative ultrasound measurements as compared with dualenergy X-ray absorptiometry in the assessment of corticosteroid-induced bone impairment.  
Osteoporos Int 10 (1999) 278-283.

HAUZEUR JP, MATHY L, DE MAERTELAER V  
Comparison between clinical evaluation and ultrasonography in detecting hydrarthrosis of the knee.  
J Rheumatol 12 (1999) 2681-2683.

- PERETZ A, DE MAERTELAER V, MORIS M, WOUTERS M, BERGMANN P  
Evaluation of quantitative ultrasound and dual X-ray absorptiometry measurements in women with and without fractures.  
J Clin Densitom 2 (1999) 127-133.
- GALLE C, DE MAERTELAER V, MOTTE S, ZHOU L, STORDEUR P, DELVILLE JP, LI R, FERREIRA J, GOLDMAN M, CAPEL P, WAUTRECHT JC, PRADIER O, DEREUME JP.  
Early inflammatory response after elective abdominal aortic aneurysm repair: a comparison between endovascular procedure and conventional surgery.  
J Vasc Surg. 2000 Aug;32(2):234-46.
- PERETZ A, PENALOZA A, MESQUITA M, DRATWA M, VERHAS M, MARTIN P, DE MAERTELAER V, BERGMANN P.  
Quantitative ultrasound and dual X-ray absorptiometry measurements of the calcaneus in patients on maintenance hemodialysis.  
Bone. 2000 Aug;27(2):287-92.
- NOSEDA A, DE BRUYNE I, DE MAERTELAER V, YERNAULT JC.  
Does an IV bolus of methylprednisolone relieve dyspnea in asthma exacerbations?  
Chest. 2000 Dec;118(6):1530-7.
- MATHIEU F, SUETENS C, BEGAUX F, DE MAERTELAER V, HINSENKAMP M.  
Effects of physical therapy on patients with Kashin-Beck disease in Tibet.  
Int Orthop. 2001;25(3):191-3.
- HINSENKAMP M, RYPENS F, BEGAUX F, MATHIEU F, DE MAERTELAER V, LEPEIRE M, HAUBRUGE E, CHASSEUR C, STALLENBERG B.  
The anatomical distribution of radiological abnormalities in Kashin-Beck disease in Tibet.  
Int Orthop. 2001;25(3):142-6.
- MATHIEU F, BEGAUX F, SUETENS C, DE MAERTELAER V, HINSENKAMP M.  
Anthropometry and clinical features of Kashin-Beck disease in central Tibet.  
Int Orthop. 2001;25(3):138-41.
- MICHILS A, REDIVO M, ZEGERS DE BEYL V, DE MAERTELAER V, JACOBOWITZ D, ROCMANS P, DUCHATEAU J.  
Increased expression of high but not low molecular weight heat shock proteins in resectable lung carcinoma.  
Lung Cancer. 2001 Jul;33(1):59-67.
- STALLENBERG B, ROMMENS J, LEGRAND C, DE MAERTELAER V, METENS T, GEVENOIS P A.  
Radiographic diagnosis of rotator cuff tear based on the supraspinatus muscle radiodensity.  
Skeletal Radiol. 2001 Jan;30(1):31-8.
- DUMORTIER P, COPLU L, BROUCKE I, EMRI S, SELCUK T, DE MAERTELAER V, DE VUYST P, BARIS I.  
Erionite bodies and fibres in bronchoalveolar lavage fluid (BALF) of residents from Tuzkoy, Cappadocia, Turkey.  
Occup Environ Med. 2001 Apr;58(4):261-6.
- DE MAERTELAER V, LE MOINE O, DEVIERE J.  
Letter to the Editor  
Gastroenterology 2001; 121(1):233
- DEVIERE J, PASTORELLI A, LOUIS H, DE MAERTELAER V, LEHMAN G, CICALA M, LE MOINE O, SILVERMAN D, COSTAMAGNA G.  
Endoscopic implantation of a biopolymer in the lower esophageal sphincter for gastroesophageal reflux: A pilot study. Gastrointest Endosc.  
2002 Mar;55(3):335-341.
- MICHILS A, DUTRY D, DE BEYL VZ, REMMELINK M, DE MAERTELAER V, ROCMANS P.  
Peripheral Blood Mononuclear Cell Proliferation to Heat Shock Protein-70 Derived from Autologous Lung Carcinoma.  
Am J Respir Crit Care Med. 2002 Sep;166(5):749-753.
- AVNI FE, SEGERS V, DE MAERTELAER V, CADRANEL S, DASSONVILLE M, DELAET MH, NICAISE N, METENS T.  
The evaluation by magnetic resonance imaging of hepatic periportal fibrosis in infants with neonatal cholestasis: preliminary report.  
J Pediatr Surg. 2002 Aug;37(8):1128-33.
- AVNI FE, GUISSARD G, HALL M, JANSSEN F, DEMAERTELAER V, RYPENS F.  
Hereditary polycystic kidney diseases in children: changing sonographic patterns through childhood.  
Pediatr Radiol. 2002 Mar;32(3):169-74.
- TEITELBAUM V, BALON-PERIN A, DE MAERTELAER V, DAELEMANS P, GLINEUR R.  
Impact of dental and skeletal movements on the facial profile within the framework of orthodontic and surgical treatments.  
Int J Adult Orthodon Orthognath Surg. 2002;17(2):82-8.
- CHRISTOPHE C, FONTEYNE C, ZIEREISEN F, CHRISTIAENS F, DELTENRE P, DE MAERTELAER V, DAN B.  
Value of MR imaging of the brain in children with hypoxic coma.  
AJNR Am J Neuroradiol. 2002 Apr;23(4):716-23.

- NOSEDA A, NOUVELLE M, LANQUART JR, KEMPENAERS CH, DE MAERTELAER V, LINKOWSKI R, KERKHOFS M.  
High leg motor activity in sleep apnea hypopnea patients: efficacy of clonazepam combined with nasal CPAP on polysomnographic variables.  
Respir Med. 2002 Sep;96(9):693-9.
- MEWASINGH LD, CHRISTOPHE C, FONTEYNE C, DACHY B, ZIEREISEN F, CHRISTIAENS F, DELTENRE P, DE MAERTELAER V, DAN B.  
Predictive value of electrophysiology in children with hypoxic coma.  
Pediatr Neurol. 2003 Mar;28(3):178-83.
- BOON N, DELHAYE M, LE MOINE O, DE MAERTELAER V, DEVIERE J.  
Severity of acute gallstone pancreatitis in patients with pancreas divisum.  
Endoscopy. 2003 May;35(5):407-10.
- TACK D, SOURTZIS S, DELPIERRE I, DE MAERTELAER V, GEVENOIS PA.  
Low-dose unenhanced multidetector CT of patients with suspected renal colic.  
AJR Am J Roentgenol. 2003 Feb;180(2):305-11.
- DUMORTIER P, THIMPONT J, DE MAERTELAER V, DE VUYST P.  
Trends in asbestos body counts in bronchoalveolar lavage fluid over two decades.  
Eur Respir J. 2003 Sep;22(3):519-24.
- TACK D, WIDELEC J, DE MAERTELAER V, BAILLY JM, DELCOUR C, GEVENOIS PA.  
Comparison between low-dose and standard-dose multidetector CT in patients with suspected chronic sinusitis.  
AJR Am J Roentgenol. 2003 Oct;181(4):939-44.
- TACK D, DE MAERTELAER V, GEVENOIS PA.  
Dose reduction in multidetector CT using attenuation-based online tube current modulation.  
AJR Am J Roentgenol. 2003 Aug;181(2):331-4.
- ABADA HT, SAPOVAL MR, PAUL JF, DE MAERTELAER V, MOUSSEAU E, GAUX JC.  
Aneurysmal sizing after endovascular repair in patients with abdominal aortic aneurysm: interobserver variability of various measurement protocols and its clinical relevance.  
Eur Radiol. 2003 Dec;13(12):2699-704. .
- BANKIER AA, VAN MUYLEM A, SCILLIA P, DE MAERTELAER V, ESTENNE M, GEVENOIS PA.  
Air trapping in heart-lung transplant recipients: variability of anatomic distribution and extent at sequential expiratory thin-section CT.  
Radiology. 2003 Dec;229(3):737-42.
- ARVANITAKIS M, DELHAYE M, DE MAERTELAERE V, BALI M, WINANT C, COPPENS E, JEANMART J, ZALCMAN M, VAN GANSBEKE D, DEVIERE J, MATOS C.  
Computed tomography and magnetic resonance imaging in the assessment of acute pancreatitis.  
Gastroenterology. 2004 Mar;126(3):715-23.
- ARVANITAKIS M, VAN LAETHEM JL, PARMA J, DE MAERTELAER V, DELHAYE M, DEVIERE J.  
Predictive factors for pancreatic cancer in patients with chronic pancreatitis in association with K-ras gene mutation.  
Endoscopy. 2004 Jun;36(6):535-42.
- GANGJI V, HAUZEUR JP, MATOS C, DE MAERTELAER V, TOUNGOUZ M, LAMBERMONT M.  
Treatment of osteonecrosis of the femoral head with implantation of autologous bone-marrow cells. A pilot study.  
J Bone Joint Surg Am. 2004 Jun;86-A(6):1153-60.
- KEYZER C, TACK D, DE MAERTELAER V, BOHY P, GEVENOIS PA, VAN GANSBEKE D.  
Acute appendicitis: comparison of low-dose and standard-dose unenhanced multi-detector row CT.  
Radiology. 2004 Jul;232(1):164-72.
- DAELEMANS C, SMITS G, DE MAERTELAER V, COSTAGLIOLA S, ENGLERT Y, VASSART G, DELBAERE A.  
Prediction of Severity of Symptoms in Iatrogenic Ovarian Hyperstimulation Syndrome by Follicle-Stimulating Hormone Receptor Ser680Asn Polymorphism.  
J Clin Endocrinol Metab. 2004 Dec;89(12):6310-5.
- BANKIER AA, O'DONNELL CR, MAI VM, STOREY P, DE MAERTELAER V, EDELMAN RR, CHEN Q.  
Impact of lung volume on MR signal intensity changes of the lung parenchyma.  
J Magn Reson Imaging. 2004 Dec;20(6):961-6.
- CORDONNIER M, DE MAERTELAER V.  
Comparison between two hand-held autorefractors : the Sure-Sight and the Retinomax.  
Strabismus. 2004 Dec;12(4) 261-74.
- CORDONNIER M, DE MAERTELAER V.  
Screening for Amblyogenic Factors in Preschool Children with the Retinomax Hand-Held Refractor: Do Positive Children Have Amblyopia and Is Treatment Efficacious ?  
Strabismus. 2005 Jan; 13: 1-6.

Strabismus. 2005 Mar;13(1):27-32 ?

CORBO M, DUJARDIN T, DE MAERTELAER V, MALEVEZ C, GLINEUR R.  
Dentocraniofacial Morphology of 21 Patients With Unilateral Cleft Lip and Palate: A Cephalometric Study.  
Cleft Palate Craniofac J. 2005 Nov;42(6):618-624.

TACK D, BOHY P, PERLOT I, DE MAERTELAER V, ALKEILANI O, SOURTZIS S, GEVENOIS PA.  
Suspected acute colon diverticulitis: imaging with low-dose unenhanced multi-detector row CT.  
Radiology. 2005 Oct;237(1):189-96. Epub 2005 Aug 26.

ARAKAWA H, GEVENOIS PA, SAITO Y, SHIDA H, DE MAERTELAER V, MORIKUBO H, FUJIOKA M.  
Silicosis: expiratory thin-section CT assessment of airway obstruction.  
Radiology. 2005 Sep;236(3):1059-66.

KEYZER C, ZALCMAN M, DE MAERTELAER V, COPPENS E, BALI MA, GEVENOIS PA, VAN GANSBEKE D.  
Comparison of US and unenhanced multi-detector row CT in patients suspected of having acute appendicitis.  
Radiology. 2005 Aug;236(2):527-34.

STAEBLER M, DONNER C, VAN REGEMORTER N, DUPREZ L, DE MAERTELAER V, DEVREKER F, AVNI F.  
Should determination of the karyotype be systematic for all malformations detected by obstetrical ultrasound?  
Prenat Diagn. 2005 Jul;25(7):567-73.

TACK D, DE MAERTELAER V, PETIT W, SCILLIA P, MULLER P, SUESS C, GEVENOIS PA.  
Multi-detector row CT pulmonary angiography: comparison of standard-dose and simulated low-dose techniques.  
Radiology. 2005 Jul;236(1):318-25.

CORDONNIER M, DE MAERTELAER V.  
Screening for amblyogenic factors in preschool children with the retinomax hand-held refractor: do positive children have amblyopia and is treatment efficacious?  
Strabismus. 2005 Mar;13(1):27-32.