

COMMUNICATIONS

Contrôle Métabolique et Nutritionnel en Oncologie Digestive

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1. Bousserouel S. **Chemopreventive effects of Silibinin in a preclinical model of colon carcinogenesis, and murine hepatocarcinoma model.** *BIT's 10th Annual Congress of International Drug Discovery Science and Technology, Nanjing (China)*, 08 November 2012.
2. Bousserouel S., Lamy V., Gossé F., Marescaux J., Raul F. **Chemopreventive effects on phytochemical agents on human colon tumor cells and in a rat model of colon carcinogenesis.** *BIT's 9th Annual Congress of International Drug Discovery Science and Technology, Shenzhen (China)*, 03 November 2011.
3. Kauntz H., Bousserouel S., Gossé F., Raul F. **The flavanolignan silibinin potentiates trail-induced apoptosis in human colon adenocarcinoma and derived trail-resistant metastatic cells.** *4th International Congress on Nutrition and Cancer, Antalya (Turkey)*, 19 October 2011.
4. Minker C., Muller CD., Dumont S., Maldonado-Celis M., Raul F., Lobstein A. **Pro-apoptotic effect of proanthocyanidins from Rosaceae - Grossulariaceae and Ericaceae on human metastatic colon carcinoma-derived SW620 cells.** *ICPH 2009 - 4th International Conference on Polyphenols and Health, Yorkshire (United Kingdom)*, 07-11 December 2009.
5. Raul F. **Inhibition de la cancérogenèse colique par les procyanidols de la pomme.** *4èmes Journées Scientifiques du Cancéropôle Lyon Auvergne Rhône-Alpes (CLARA), Archamps-Porte de Genève (France)*, 24-25 March 2009.
6. Madonado-Celis M.E. **Apple procyanidins : anticarcinogenic action on colon cancer.** *12th National Symposium of Human Nutrition, Medellin (Colombia)*, 20-22 October 2008.
7. Lamy V., Chaabi M., Gossé F., Lobstein A., Raul F. **Lupulone, a hop phytochemical, activates different apoptotic pathways in human colon tumor cells and in their derived metastatic cells.** *2nd ISHS International Humulus Symposium, Ghent (Belgium)*, 01-05 September 2008.
8. Maldonado-Celis M.E., Foltzer-Jourdainne C., Gossé F., Chaabi M., Lobstein A., Raul F. **Different apoptotic pathways triggered by apple procyanidins in human colon adenoma and derived metastatic cells.** *First International Congress on Nutrition and Cancer, Antalya (Turkey)*, 19-23 May 2008.
9. Raul F. **Chimioprévention de la cancérogenèse colique par les procyanidols de la pomme.** *9ème Réunion Scientifique de la Ligue Contre le Cancer, Illkirch-Graffenstaden (France)*, 04 December 2007.
10. Raul F. **Phytoconstituants d'intérêt dans la prévention nutritionnelle du cancer colorectal.** *4ème Saison de l'Innovation en Alsace. Rencontres Conectus, Strasbourg (France)*, 15 November 2007.
11. Madonado ME., Roussi S., Foltzer-Jourdainne C., Gossé F., Chaabi M., Lobstein A., Raul F. **Potential of apple procyanidin-triggered apoptosis by the PAO inhibitor MDL 72527 in human colon cancer-derived metastatic SW620 cells.** *International Conference on Biogenic Amines. Biological and Clinical Perspectives, Catania (Italy)*, 17-21 October 2007.
12. Lamy V., Roussi S., Chaabi M., Gossé F., Lobstein A., Raul F. **Lupulone, a hop phytochemical, activates TRAIL (TNF-related-apoptosis-inducing ligand) death signalling pathways in human colon cancer cells.** *Capri Sciences Conference. Cancer Therapeutics. The Road Ahead, Capri (Italy)*, 08-10 October 2007.
13. Raul F., Gossé F., Foltzer-Jourdainne C., Marescaux J., Soler L. **Computed tomographic colonography is a reliable procedure to assess efficacy of chemopreventive agents in living animals : Evaluation of aspirin-DFMO combination.** *Fifth Annual AACR International Conference ; Frontiers in Cancer Prevention Research, Boston (USA)*, 12-15 November 2006.
14. Raul F., Gossé F., Roussi S., Seiler N. **Potential of apple procyanidin-triggered apoptosis by the polyamine oxidase inactivator MDL 72527: Role of polyamines.** *International Conference on the role of polyamines and their analogs in cancer and other diseases, Rome (Italy)*, 10-14 September 2006.
15. Raul F., Gossé F., Roussi S., Seiler N. **Potential of apple procyanidin-triggered apoptosis by the polyamine oxidase inactivator MDL 72527 in human colon cancer cells.** *COST action 922 ; "Health Implication of Dietary Amines", Bergen (Norvège)*, 25-28 May 2006.
16. Raul F., Gossé F., Roussi S., Foltzer-Jourdainne C., Guyot S., Lobstein A., Seiler N. **Anticarcinogenic properties of apple procyanidins on human cancer cells and in a rat model of colon carcinogenesis.** *4th International Workshop on Anthocyanins, Rotorua (Nouvelle-Zélande)*, 14-15 February 2006.
17. Raul F., Gossé F., Roussi F., Foltzer-Jourdainne F., Guyot S., Seiler N. **Metabolic and signal transduction perturbations associated with cancer cell death triggered by apple polyphenols.** *2nd International Conference on Polyphenols and Health, Davis (USA)*, 04-07 October 2005.
18. Raul F. **Implications of polyamines in cancer cell death triggered by apple polyphenols.** *COST action 922 - "Biogenic amines in health and diseases", Vilnius (Lituanie)*, 18-21 May 2005.
19. Soler L., Osswald A.B., Bouhadjar M., Aprahamian M., Raul F., Gossé F., Mutter D., Marescaux J. **Optimal acquisition protocol definition for 3D modelling of small animals abdominal tumours and organs from in vivo micro-CT scan.** *Imvie2 Symposium - Imaging for medical and life sciences, Strasbourg (France)*, 01-03 March 2005.
20. Roussi S., Winter A., Gossé F., Werner D., Zhang X., Marchioni E., Geoffroy P., Miesch M., Raul F. **Different apoptotic mechanisms are involved in the anti-proliferative effects of 7β-hydroxysistosterol and 7β-hydroxycholesterol in human colon cancer cells.** *7th international Conference of Anticancer Research, Corfou (Grèce)*, 25-30 October 2004.
21. Gossé F., Roussi S., Fischer B., Guyot S., Raul F. **Chemopreventive properties of apple procyanidins on human colon cancer-derived metastatic SW620 cells and in a rat model of experimental carcinogenesis.** *Third Annual AACR International Conference "Frontiers in Cancer Prevention Research", Seattle (USA)*, 16-20 October 2004.
22. Chabert P., Gruber A., Schneider Y., Roehri-Stoeckel C., Fougérousse A., Raul F., Brouillard R. **Anti-mitotic properties of resveratrol analog (Z)-3,5,4'-trimethoxystilbene.** *22nd International Conference on Polyphenols, Helsinki (Finlande)*, 25-28 August 2004.

23. Duranton B., Raul L., Seiler N. **Comparison of polyamine metabolism in cell lines deriving from a human colon carcinoma (SW480) and its lymph node metastatic derivative (SW620).** *Combined MC and Workshop Meeting of COST Action 922, Trento (Italie), 22-26 May 2004.*
24. Schneider Y., Chabert P., Fischer B., Gossé F., Fougerousse A., Bischoff P., Brouillard R., Raul F. **3,5,4'-O-methyl resveratrol: a new antimitotic drug interacting with microtubules.** *1st International Conference on Polyphenols and Health, Vichy (France), 18-21 November 2003. Abstract Book, p 386.*
25. Marchioni E., Raul F., Burnouf D., Miesch M., Delinsee H., Hartwig A., Aoudé-Werner D. **Toxicological study on 2-alkylcyclobutanones. Results of a collaborative study.** *IMRP 2003 Meeting, Chicago (USA), 08-12 September 2003.*
26. Biarc J., Nguyen I.S., Pini A., Gossé F., Wachsmann D., Klein J.P., Raul F., Scholler-Guinard M. **Activité pro-cancérogène et pro-inflammatoire des protéines de paroi de Streptococcus bovis.** *21ème Réunion du CECED, Nantes (France), 23-24 January 2003.*
27. Carnesecchi S., Bradaia A., Fischer B., Coelho D., Schneider Y., Gossé F., Bergmann C., Raul F. **Le géraniol, constituant des huiles essentielles végétales, inhibe la prolifération des cellules cancéreuses coliques humaines en perturbant la membrane cellulaire et en inactivant les voies de signalisation intracellulaires.** *Eurocancer 2002, Paris (France), 04-06 June 2002.*
28. Schneider Y., Launay J.F., Coelho D., Chabert P., Gossé F., Fischer B., Bischoff P., Raul F. **Le 3,5,4'-triméthoxystilbène, dérivé du resvératrol, est un nouvel agent anti-mitotique provoquant une déstructuration du réseau microtubulaire.** *Eurocancer 2002, Paris (France), 04-06 June 2002.*
29. Zeisel M.B., Sibilia J., Scholler-Guinard M., Raul F., Klein J.P., Wachsmann D. **Proinflammatory role of protein I/II, a modulin from oral streptococci, in rheumatoid arthritis assessed with cDNA microarray.** *18th Pasteur Weizmann Symposium, Paris (France), 22-24 May 2002.*
30. Biarc J., Pini A., Nguyen I.S., Gossé F., Wachsmann D., Klein J.P., Raul F., Scholler-Guinard M. **Carcinogenesis and proinflammatory activity of S. bovis cell wall proteins.** *18th Pasteur Weizmann Symposium, Paris (France), 22-24 May 2002.*
31. Schneider Y., Chabert P., Launay J.F., Coelho D., Fougerousse A., Gossé F., Fischer B., Bischoff P., Brouillard R., Raul F. **Methylated resveratrol : A new antimitotic drug interacting with microtubules.** *American Association for Cancer Research 93rd Annual Meeting, San Francisco (USA), 06-10 April 2002. AACR Proceedings, 2002, 267.*
32. Metz N., Carnesecchi S., Lobstein A., Gossé F., Raul F., Anton R. **Comparison of green tea extracts and polyphenols on the growth inhibition of human colonic cancer cells.** *International Symposium of the Phytochemical Society of Europe, Lausanne (Suisse), 12-14 September 2001.*
33. Carnesecchi S., Langley K., Schneider Y., Duranton B., Gossé F., Bergmann C., Raul F. **Geraniol, a component of plant essential oils, sensitises human colonic cancer cells to 5-fluorouracil treatment.** *European Conference on Nutrition and Cancer, Lyon (France), 21-24 June 2001.*
34. Raul F. **Antiproliferative effects of cocoa and chocolate procyanidins on human colon cancer cells.** *Mars Meeting on Chocolate Flavanols and Oligomers, Londres (Royaume-Uni), 13-15 June 2001.*
35. Carnesecchi S., Schneider Y., Duranton B., Gossé F., Bergmann C., Raul F. **Le géraniol, un constituant des huiles essentielles végétales, potentialise les effets du 5-fluorouracile sur les cellules cancéreuses coliques humaines.** *21ème Forum de Cancérologie, Paris (France), 06-08 June 2001. Eurocancer.*
36. Raul F. **Chimioprévention de la cancérogenèse intestinale par le resvératrol.** *Premier colloque sang et vin, Bordeaux (France), 17-18 April 2001. Société Française de Médecine des Armées. Faculté d'Oenologie. Université Victor Segalen.*
37. Raul F. **Chimioprévention de la cancérogenèse intestinale par le resvératrol, un constituant naturel de la vigne.** *Réunion de la SFRR : Antioxydants - rôle - effets et mécanismes d'action intracellulaires in vivo et in vitro, Paris (France), 16 January 2001. Ministère de la Recherche.*
38. Carnesecchi S., Schneider Y., Ceraline J., Duranton B., Gossé F., Raul F. **Inhibition de la croissance de cellules cancéreuses coliques humaines par le géraniol, un constituant d'huiles essentielles végétales.** *3èmes Journées Francophones de Nutritio, Tours (France), 13-15 December 2000.*
39. Schneider Y., Vincent F., Duranton B., Badolo L., Gossé F., Seiler N., Raul F. **Resveratrol, a natural polyphenolic component of grapes and red wines, inhibits intestinal carcinogenesis.** *American Association for Cancer Research. 91st Meeting, San Francisco (USA), 01-05 April 2000.*
40. Schleiffer R., Duranton B., Bergmann C., Gossé F., Raul F. **Administration of L-NAME (NG-nitro-L-arginine methyl ester) promotes preneoplastic changes in the colon of rats.** *67ème réunion de la Société de Physiologie, Paris (France), 13-16 September 1999.*
41. Schleiffer R., Duranton B., Bergmann C., Gossé F., Raul F. **NO synthase inhibition promotes preneoplastic changes in the colon of rats.** *International Congress of Comparative Physiology and Biochemistry, Calgary (Canada), 23-28 August 1999.*
42. Lobstein A., Schneider Y., Duranton B., Kuballa B., Haan-Archipoff G., Anton R., Raul F. **Chemopreventive effects of green tea extract on intestinal precancerous lesions.** *5th Joint meeting of the American Society of Pharmacognosy and the Phytochemical Society of Europe, Amsterdam (Pays-Bas), 26-30 July 1999.*
43. Raul F. **Promotion of intestinal preneoplastic changes by dietary methionine in rats and Min mice.** *European Concerted Action COST 917 : Biogenically Active Amines in Food, Bad Nauheim (Allemagne), 30 April - 02 May 1999.*
44. Raul F., Duranton B., Freund J.N., Gossé F., Bergmann C., Hasselmann M., Schleiffer R. **Promotion of preneoplastic changes in the colonic mucosa of rats by dietary methionine.** *Experimental Biology'99, Washington (USA), 17-22 April 1999.*

45. Schleiffer R., Duranton B., Bergmann C., Gossé F., Hasselmann M., Raul F. **Modulation of intestinal carcinogenesis by dietary polyamines in rats.** *4th International Symposium on Predictive Oncology and Therapy - Impact of Biotechnology on Cancer, Nice (France), 24-27 October 1998.*
46. Duranton B., Keith G., Schleiffer R., Bergmann C., Gossé F., Raul F. **Effects of changes in polyamine metabolism on DNA methylation during growth inhibition of human colonic cancer cells.** *3ème Colloque Franco-Britannique de Nutrition, Nancy (France), 30 September - 02 October 1998.*
47. Raul F. **Modulation nutritionnelle de la cancérogénèse intestinale.** *Société Francophone de Nutrition Entérale et Parentérale, Nice (France), 18 September 1998.*
48. Raul F., Duranton B., Gossé F., Galluser M., Bergmann C., Hasselmann M., Schleiffer R. **Promotion of intestinal preneoplastic changes by dietary methionine.** *20TH ESPEN Congress, Nice (France), 16-19 September 1998.*
49. Schleiffer R., Raul F. **Involvement of polyamines and nitric oxide in the morphological and functional recovery of intestinal mucosa after ischemic damage in rats.** *International Workshop on Oxidative Stress in Ischemia/Reperfusion Injury, Brno (République Tchèque), 22 June 1998.*
50. Hasselmann M., Duranton B., Schleiffer R., Kummerlen C., Raul F. **Concentrations en polyamines de différentes solutions industrielles de nutrition entérale.** *Congrès de la Société de Réanimation de Langue Française, Paris (France), 29-30 January 1998.*
51. Marandi S., Duranton B., De Keyser N., Sokal E. M., Maernhout A. S., Raul F., Buts J.P. **Premature stimulation of rat sucrase-isomaltase (SI) by exogenous insulin and the analogue B-ASP10 is regulated by a receptor-mediated signal triggering SI gene transcription.** *16ème Réunion du Club d'Etude des Cellules Epithéliales Digestives, Strasbourg (France), 11-12 December 1997.*
52. Hasselmann M., Duranton B., Schleiffer R., Levy C., Raul F. **Mise en évidence d'une importante disparité des teneurs en polyamines dans différentes solutions industrielles de nutrition entérale.** *Journées Francophones de Nutrition, Paris - La Villette (France), 26-28 November 1997.*
53. Schleiffer R., Raul F. **Blood polyamine levels during oral ornithine load is a useful diagnostic marker for premalignant stage in rats.** *6ème Réunion Annuelle de la Société de Physiologie, Prague (République Tchèque), 17-19 September 1997.*
54. Raul F., Duranton B., Gossé F., Galluser M., Bergmann C., Schleiffer R. **Preventive enteral administration of ornithine alpha-ketoglutarate improves intestinal mucosal repair after transient ischemia in rats.** *19th ESPEN Congress, Amsterdam (Pays-Bas), 31 August - 03 September 1997.*
55. Duranton B., Nsi-Emvo E., Schleiffer R., Gossé F., Galluser M., Raul F. **Ralentissement du développement préneoplasique intestinal par une alimentation entérale à faible teneur en polyamines chez le rat.** *Journées Francophones de Pathologie Digestive, Strasbourg (France), 15-19 March 1997.*
56. Duranton B., Schleiffer R., Gossé F., Raul F. **Modifications dans le métabolisme des polyamines au cours de la croissance de la lignée cancéreuse colique CaCO2.** *15ème Réunion du Club d'Etude des Cellules Epithéliales Digestives, Lyon (France), 22-23 January 1997.*
57. Raul F. **Expression des hydrolases intestinales.** *Congrès de l'AFN, Nantes (France), 09-11 October 1996. (Conférence sur invitation).*
58. Schleiffer R., Raul F. **Monoxide d'azote et sphère digestive.** *64ème Réunion de la Société de Physiologie, Lille (France), 18-20 September 1996.*
59. Schleiffer R., Duranton B., Zhao J., Nsi-Emvo E., Gossé F., Galluser M., Raul F. **Inhibition de la carcinogénèse intestinale chez le rat par un apport alimentaire à faible teneur en polyamines.** *64ème Réunion de la Société de Physiologie, Lille (France), 18-20 September 1996.*
60. Savanovitch-Chambon C., Farges M.C., Vasson M.P., Davot P., Raul F., Blachier F., Cynober L. **Metabolic and trophic effects of an enteral glutamine enriched diet in endotoxemic rats.** *18th ESPEN congress, Genève (Suisse), 08-11 September 1996.*
61. Schleiffer R., Raul F. **Prophylactic enteral administration of L-arginine improves intestinal barrier function after mesenteric ischemia.** *18th ESPEN congress, Genève (Suisse), 08-11 September 1996.*
62. Schleiffer R., Raul F. **Monoxide d'azote (NO) et réparation fonctionnelle de l'intestin ischémié: effet d'une supplémentation entérale en L-arginine et molsidomine.** *63ème Congrès de la Société de Physiologie, Strasbourg (France), 20-22 December 1995. Arch Physiol Biochem, 1995, 103, 116.*
63. Raul F. **Effets du vieillissement sur le métabolisme intestinal.** *15 ème Symposium de la SFNEP, Bordeaux (France), 29 November - 01 December 1995. (sur invitation).*
64. Czernichow B., Nsi-Emvo E., Galluser M., Gossé F., Raul F. **Action de l'alpha cetoglutarate d'ornithine sur l'adaptation intestinale après résection.** *15 ème symposium de la SFNEP, Bordeaux (France), 29 November - 01 December 1995. Nutr lin Metab, 1995, 9, 159.*
65. Chambon C., Farges M.C., Vasson M.P., Cezard J.P., Raul F., Davot P., Cynober L. **Choix d'un contrôle isoazoté : à la recherche de l'azote inerte.** *15 ème symposium de la SFNEP, Bordeaux (France), 29 November - 01 December 1995. Nutr Clin Metab, 1995, 9, 194.*
66. Czernichow B., Nsi-Emvo E., Galluser M., Gossé F., Raul F. **Action of ornithine alphaketoglutarate on intestinal adaptation after resection.** *17th Congress of the European Society of Parenteral and Enteral Nutrition, Rome (Italie), 10-13 September 1995. Clin Nutr, 1995, 14, 35.*
67. Farges M.C., Raul F., Vasson M.P., Davot P., Allouche S., Cynober L. **Morphometric changes in intestinal mucosa of elderly endotoxemic rats by oral pancreatic extract-enriched diet.** *17th Congress of the European Society of Parenteral and Enteral Nutrition, Rome (Italie), 10-13 September 1995. Clin Nutr, 1995, 4, 35.*

68. Schleiffer R. **Nitric oxide in the gastrointestinal tract.** *4th International Union of Biological Sciences, Birmingham (Royaume-Uni)*, 06-11 August 1995. (sur invitation).
69. Raul F. **Intestinal adaptation to nutritional stress.** *Summer Meeting - Nutrition Society and Association Française de Nutrition, Aberdeen (Royaume-Uni)*, 11-14 July 1995. (sur invitation).
70. Farges M.C., Raul F., Vasson M.P., Davot., Allouche S., Cynober L. **Efficacité d'un extrait pancréatique sur la trophicité intestinale du rat âgé endotoxémique.** *Journées Francophones de Pathologie Digestive, Nantes (France)*, 25-29 March 1995. *Gastroenterol Clin Biol*, 1995, 19, 96.
71. Farges M., Raul F., Vasson M.P., Davot P., Allouche S., Cynober L. **Efficacité d'un extrait pancréatique sur la trophicité intestinale du rat âgé endotoxémique.** *Club Francophone de Nutrition et Gériatrie, Nice (France)*, 01 March 1995. *Age et nutrition*, 1995, 6, 178.
72. Berard M.P., Farges M.C., Vasson M.P., Cezard J.P., Raul F., Cynober L. **Efficacité d'une nutrition enrichie en glutamine chez le rat âgé agressé.** *Club Francophone de Nutrition et Gériatrie, Nice (France)*, 01 March 1995. *Age et Nutrition*, 1995, 6, 176.
73. Berard M.P., Farges M.C., Vasson M., Cezard J.P., Raul F., Davot P., Cynober L. **Utilisation prophylactique d'une nutrition enrichie en glutamine chez le rat agressé.** *14^{ème} Symposium de la SFNEP, Clermont-Ferrand (France)*, 30 November - 02 December 1994. *Nutr Clin Metab*, 1994, 8, 25.
74. Coudray-Lucas C., Raul F., Leboucher J., Jardel A., Lasnier E., Cynober L. **Alphacetoglutarate d'ornithine, précurseur de glutamine dans le muscle et l'intestin du rat brûlé.** *14^{ème} Symposium de la SFNEP, Clermont-Ferrand (France)*, 30 November - 02 December 1994. *Nutr Clin Metab*, 1994, 8, 28.
75. Czernichow B., Galluser M., Cui S.Q., Gossé F., Raul F. **Intérêt des triglycérides à chaînes moyennes (TCM) en nutrition artificielle sur la muqueuse intestinale du rat.** *14^{ème} Symposium de la SFNEP, Clermont-Ferrand (France)*, 30 November - 02 December 1994. *Nutr Clin Metab*, 1994, 8, 47.
76. Raul F., Galluser M., Schleiffer R., Gossé F., Hasselmann M., Seiler N. **L-Arginine given enterally accelerates the recovery of intestinal morphology and function after ischemic damage in rats.** *10th World Congresses of Gastroenterology, Los Angeles (USA)*, 02-07 October 1994.
77. Raul F., Gossé F., Galluser M., Seiler N. **Functional and metabolic changes in intestinal mucosa of rats by enteral diet supplemented with ornithine alpha-ketoglutarate salt.** *16th Congress of ESPEN, Birmingham (Royaume-Uni)*, 30 August - 02 September 1994. *Clin Nutr*, 1994, 13, 59.
78. Czernichow B., Galluser M., Cui S.Q., Gossé F., Doffoel M., Raul F. **Intérêt des triglycérides à chaînes moyennes (TCM) administrés par voie entérale ou parentérale sur la muqueuse intestinale du rat.** *29^{ème} Forum Francophone de Recherche en Hépatogastroentérologie, Paris (France)*, 19-23 March 1994. *Gastroenterol Clin Biol*, 1994, 18, 250.
79. Raul F., Schleiffer R., Galluser M., Gossé F., Hasselmann M. **Accélération de la régénération de l'épithélium intestinal après ischémie mésentérique aiguë chez le rat par administration entérale de L-arginine.** *29^{ème} Forum Francophone de recherche en Hépatogastroentérologie, Paris (France)*, 19-23 March 1994. *Gastroenterol Clin Biol*, 1994, 18, 47.
80. Hasselmann M., Galluser M., Kummerlen C., Schleiffer R., Gossé F., Raul F. **La L-arginine administrée par voie entérale accélère la régénération de la muqueuse intestinale après ischémie mésentérique chez le rat.** *23^{ème} Congrès de la Société de Réanimation de Langue Française, Paris (France)*, 20-22 January 1994. *Rea Urg*, 1994, 677.
81. Schleiffer R., Galluser M., Raul F. **Involvement of L-arginine/nitric oxide pathway in the absorption of calcium in the rat small intestine.** *Symposium de Nutrition Animale et Humaine, Tours (France)*, 13-14 January 1994.