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*Department of Internal Medicine and Therapeutics*  
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## *CURRICULUM VITAE*

### PERSONAL DETAILS

Date of birth: 21 December 1950, Varese (Italy)  
Family status: Married, one son

### LANGUAGES

Italian: Written and spoken (fluent)  
English: Written and spoken (fluent)  
French: Written and spoken (fair)

### EDUCATION

1982 Specialization in Neurology (Board Certification), *University of Pavia, Pavia, Italy*  
1980 Ph.D. in Clinical Pharmacology, *University of London, London, U.K*  
1978 Specialization in Endocrinology (Board Certification), *University of Pavia, Pavia, Italy*  
1975 M.D. Degree, with honours, *University of Pavia, Pavia, Italy*

## **CURRENT POSITIONS**

- 2001 - to-date Full Professor of Pharmacology, *University of Pavia Medical School, Pavia, Italy,*
- 2009 - to-date Director, Clinical Trial Centre, *National Institute of Neurology, IRCCS C. Mondino Foundation, Pavia, Italy*

## **PREVIOUS POSITIONS**

- 2004 -2008 Director, Laboratories for Clinical Diagnostics and Applied Biological Research, *National Institute of Neurology, IRCCS C. Mondino Foundation, Pavia, Italy*
- 1988 -2001 Associate Professor of Clinical Pharmacology, *University of Pavia, Pavia, Italy*
- 1981 -1987 Lecturer in Medical Pharmacology, *University of Pavia, Pavia, Italy*
- 1978 -1981 Clinical Research Registrar, *Clinical Pharmacology Unit, Institute of Neurology, The National Hospital, Queen Square, London, U.K*
- 1976 -1981 Assistant Lecturer (Hon), *Department of Clinical Pharmacology, St. Bartholomew's Hospital, London, UK*
- 1976-1978 Registrar, *Chalfont Centre for Epilepsy, Chalfont St. Peter, Bucks, UK*
- 1974 Visiting Research Fellow, *Department of Clinical Pharmacology, Karolinska Institute, Huddinge, Sweden*

## **MEDICAL LICENCES**

- Italian Medical Council, Italy (since 1975)
- General Medical Council, UK (since 1976)

## **AWARDS AND HONOURS**

2010	Finalist, Clinical Research Recognition Award, American Epilepsy Society
2001	Fellowship, Royal College of Physicians, Edinburgh, Scotland
1998	Honorary membership, Polish Epilepsy Society
1997	Ambassador for Epilepsy Award, International League against Epilepsy and International Epilepsy Bureau.

## **MEMBERSHIP TO SCIENTIFIC SOCIETIES**

British Pharmacological Society (1978)
British Pharmacological Society, Clinical Section (1978)
Italian Pharmacological Society (1981)
Italian Society of Clinical Pharmacology (1981)
Italian League against Epilepsy (1982)
Italian Society of Clinical Biochemistry (1992)
European Epilepsy Academy (1994)

## **POSITIONS WITHIN SCIENTIFIC SOCIETIES**

2009 –to-date	Treasurer, <i>International League against Epilepsy</i>
2009 –to-date	Chair, Finance Committee, <i>International League against Epilepsy</i>
2009 –to-date	WHO Focal Person, <i>International League against Epilepsy</i>
2009 –to-date	Ex officio member, Commission on European Affairs, <i>International League against Epilepsy</i>
2005 –2009	First Vice-President, <i>International League against Epilepsy</i>
2005 –2009	Chair, Faculty of 1000 Task Force, and Member, Commission on Education, <i>International League against Epilepsy</i>
2008 –2009	Commissioner for African Affairs, <i>International League against Epilepsy</i>

2001-2008	Member, Executive Council, <i>Clinical Section, International Union of Pharmacology (IUPHAR)</i>
2005-2008	<i>Past President</i> , Executive Council, Italian League against Epilepsy
2002-2005	President, <i>Italian League against Epilepsy</i>
2001 –2005	Secretary, Commission on European Affairs, <i>International League against Epilepsy</i>
2001 –2005	Secretary, Commission on Therapeutic Strategies, <i>International League against Epilepsy</i>
2001-2005	Member, Advisory Board, <i>European Epilepsy Academy</i>
2001-2002	Member, Ad Hoc Working Group on Clinical Trials, <i>European Commission, EU</i>
1999-2002	Member, Executive Council, <i>Italian League against Epilepsy</i>
1997-2001	Chair, Task Force on Congress Guidelines, Commission on European Affairs, <i>International League against Epilepsy</i>
1994 –1998	Member, Commission on Outcome Assessment, <i>International League against Epilepsy</i>
1989-1994	Secretary, Clinical Section, <i>Italian Pharmacological Society</i>

### **POSITIONS WITHIN RESEARCH ASSOCIATIONS**

1999- to-date	Member of the Central Project Committee of EURAP (International Registry of Antiepileptic Drugs and Pregnancy) ( <a href="http://www.eurapinternational.org">www.eurapinternational.org</a> )
2009- to-date	Member of the Scientific Advisory Committee, RING14 Association for Research on Rare Neurogenetic Disorders ( <a href="http://www.ring14.org">www.ring14.org</a> )

### **APPOINTMENTS WITH REGULATORY AGENCIES**

2001- to-date	Member, List of External Experts, <i>European Medicines Agency (EMA)</i>
2001-2009	Member, Subcommittee for Licensing Authorizations, <i>Italian Medicines Agency (AIFA), Italian Ministry of Health</i>

2002-2004 Member, Subcommittee for European Affairs, *Italian Medicines Agency (AIFA), Italian Ministry of Health*

### **CURRENT EDITORIAL APPOINTMENTS**

Member of the Editorial/Advisory Boards of *Epilepsia, Acta Neurologica Scandinavica, CNS Drugs, Epileptic Disorders, Epilepsy Research, Seizure, Lancet Neurology, Expert Reviews in Neurotherapeutics, Clinical Pharmacokinetics, Therapeutic Advances in Drug Safety* and *Clinical Drug Investigation*.

### **PREVIOUS EDITORIAL APPOINTMENTS**

Member of the Editorial/Advisory Boards of *British Journal of Clinical Pharmacology (1996-2005), European Journal of Clinical Pharmacology (1996-2008), Therapeutic Drug Monitoring (1981-2005), Pharmacological Research (1997-2006), Practical Neurology (2004-2008), Italian Journal of Clinical Biochemistry (1986-2002)*.

### **SELECTED CONTRIBUTIONS TO THE ORGANIZATION OF INTERNATIONAL SCIENTIFIC EVENTS**

- 2010-to-date Director, XXIX International Epilepsy Congress, 28 August-1 September 2011, Rome, Italy
- 1992-to-date Member of the Organizing Committee of the Eilat Conferences on New Antiepileptic drugs
- 2010 Member of the Scientific Advisory Committee, First International Congress on epilepsy, Brain and Mind, 17-20 March, 2010, Prague, Czech Republic
- 2008 Member of the Organizing Committee and Member of the Scientific Advisory Committee, VIII European Congress of Epileptology, 21-25 September 2008, Berlin, Germany
- 2006 Member of the Organizing Committee and Member of the Scientific Advisory Committee, VII European Congress of Epileptology, 2-6 July 2006, Helsinki, Finland
- 2005 Topic Chair and Member of the Scientific Advisory Committee, XXVI, International Epilepsy Congress, 28 August-1 September 2005, Paris, France
- 2004 Member of the Organizing Committee and Member of the Scientific Advisory Committee, VI European Congress of Epileptology, 30 May-3 June 2004, Vienna, Austria

- 2002 Member of the Scientific Advisory Committee, V European Congress of Epileptology, 6-10 October 2002, Madrid, Spain
- 2000 Member of the Organizing Committee and Member of the Scientific Advisory Committee, IV European Congress of Epileptology, 7-12 October 2000, Florence, Italy
- 2000 Secretary General, VII World Conference on Clinical Pharmacology and Therapeutics and 4<sup>Th</sup> Congress of the European Association for Clinical Pharmacology and Therapeutics, 15-20 July 200, Florence, Italy
- 1997 Topic Chair and Member of the Scientific Advisory Committee, XXI, International Epilepsy Congress, 3-8 September 1997, Sydney, Australia

**CONSULTING RELATIONSHIPS AND ADVISORY BOARD MEMBERSHIPS (LAST 5 YEARS)**

Consulting relationships: Angelini, Eisai, GSK, Ipsa, Jazz, Novartis, SK Life Sciences Inc., UCB Pharma

Advisory Boards: Bial, Eisai, GSK, Johnson and Johnson, Novartis, Pfizer, Sanofi-Aventis, Schwarz-Pharma, Sepracor, UCB Pharma and Valeant.

Steering Committees: Cyberonics

Independent Drug Safety Monitoring Boards: Johnson and Johnson, UCB Pharma

**ONGOING RESEARCH GRANTS**

Perucca E. Subproject leader, Functional Genomics and Neurobiology of Epilepsy: A Basis for New Therapeutic Strategies, Fondazione C. Mondino, Pavia, European Framework Programme, EU contract number LSH-CT-2006-037315 (EPICURE) Thematic priority LIFESCIHEALTH Website: <http://www.epicureproject.eu/>, 2006-2012 EUR 310,241.00 (out of a total budget of EUR 9,883,259.00 allocated to all investigators)

Perucca E. Project Leader, University of Pavia. A prospective evaluation of long-term outcome and potential usefulness of an intervention aimed at reducing adverse effects in patients with drug refractory Epilepsy, Italian Medicines Agency (Agenzia Italiana del Farmaco, AIFA), independent drug research program, contract n. FARM52K2WM, 2007-2010, EUR 530,000.00

Perucca E. Project leader. Optimization of criteria for the diagnosis of late-onset epilepsies and assessment of their prevalence and diagnostic/ therapeutic appropriateness in different clinical settings. Italian Ministry of Health, 2010-2011, EUR 291,000.00

## **MAIN RESEARCH ACTIVITIES/ACHIEVEMENTS**

Dr. Perucca's research activities and main achievements have focused on the following areas (cited ref # refer to the attached list of publications):

- 1) *Characterization of the pharmacokinetics of antiepileptic drugs (AEDs).* Findings of these studies include the identification of (i) the mechanisms underlying the non-linear kinetics of phenytoin in humans (#18), the non-linearity of the pharmacokinetics of carbamazepine (#26), alterations in the pharmacokinetics of AEDs in children (#239,295,325,337,353), the elderly (#69,148,331,342,351,377), pregnant women (#21,31,41,65,370) and patients with associated disease (#76,118);
- 2) *Identification of pharmacokinetic and pharmacodynamic interactions with AEDs.* Some of the most significant contributions of these studies include the determination, for the first time, of the comparative enzyme inducing potencies of AEDs and their relationship with dose (#73), the characterization of the interactions between several AEDs and steroid oral contraceptives (#25,265,323,381), and the therapeutic synergism between valproic acid and lamotrigine in patients with refractory partial-onset seizures (#266);
- 3) *Characterization of the relationship between serum drug levels and clinical effects of AEDs (#72,77,83,134,156,179) and other drugs, particularly antipsychotic agents (#282,292).* Contributions related to this topic also include the only randomized controlled trial conducted to date on the clinical impact of therapeutic drug monitoring (TDM) in patients with newly diagnosed epilepsy (#278), studies on interlaboratory-variability in the determination of AEDs (#28,153,154,327) and co-authorship to the ILAE's position paper on the use of TDM (#408);
- 4) *Development of innovative techniques to determine pharmacodynamic activity in early clinical development.* Contributions in this area include the measurement of effects on interictal EEG spike discharges as a model for the early testing of potential AEDs in patients with epilepsy (#10), and the simultaneous assessment of isoproterenol-induced tremor and tachycardia in healthy subjects as a tool to quantify the relative cardioselectivity of beta-adrenergic blocking drugs (#33,35);
- 5) *Design and conduction of randomized controlled trials in epilepsy and other conditions.* Findings of trials completed in patients with epilepsy include (i) the superiority of vigabatrin over placebo in reducing the frequency of refractory partial-onset seizures (#108); (ii) the ineffectiveness of intravenous phenytoin as prophylaxis against the occurrence of status epilepticus in patients undergoing supratentorial surgery (#310); (iii) the non-superiority of add-on treatment compared to alternative monotherapy in patients who failed AED monotherapy (#338); (iv) the comparable efficacy of lamotrigine and sustained-release carbamazepine in elderly patients with newly diagnosed epilepsy (#393,429); (v) the non-inferiority of levetiracetam compared with sustained-release carbamazepine in newly diagnosed epilepsy (#387). Other randomized controlled trials have allowed to demonstrate the efficacy of propranolol and metoprolol in the treatment of essential tremor ((#32,51,53), the superiority of

primidone over phenobarbital in the treatment of essential tremor, using a design that documented for the first time a therapeutic action of primidone independent from metabolically derived phenobarbital ((#121), the ability of a ginseng extract to improve psychomotor performance in healthy subjects ((#98), and the effectiveness of lidocaine in reducing the intensity of tinnitus (#85).

- 6) *Characterization of the adverse effects of AEDs.* Contributions from these studies include the first large-scale investigation on the antidiuretic effect of carbamazepine, and its relationship with serum drug levels (#14,30), the documentation of pseudo-atrophy of the brain as a rare adverse effect of valproic acid (#246), an assessment of the comparative effects of lamotrigine and carbamazepine on ECG parameters in the elderly (#420), a large prospective study on vigabatrin-induced visual field defects (#398,425), and a still ongoing prospective investigation on factors affecting susceptibility to adverse effects in a population of over 1,000 consecutive patients with epilepsy enrolled at tertiary care centers (#434).

### **CONTRIBUTION TO THE PRODUCTION OF GUIDELINES AND POSITION PAPERS BY SCIENTIFIC SOCIETIES**

Dr. Perucca contributed to the production of the ILAE's guidelines/position papers on the efficacy and effectiveness of AEDs as initial monotherapy (#380), the use of therapeutic drug monitoring (#408) and the definition of drug-refractory epilepsy (#427). In addition, he contributed to guidelines and consensus papers from the Italian League against Epilepsy on the treatment of status epilepticus in adults (#383), the use of generic products of AEDs (#384), and epilepsy and pregnancy, labour and puerperium (#419).

### **TRAINING ACTIVITIES**

Dr Perucca is Coordinator of the School of Doctorate on Pharmacological Sciences at the University of Pavia, and has been personally involved in the training of postgraduate students (about one PhD student trained in epilepsy-related research topics per year over the last 10 years). The Doctorate also has exchange/collaborative programs with other Universities, and has contributed to the training on epilepsy-related topics of PhD students from the University of Concepcion, Chile, the Hebrew University of Jerusalem, Israel, the University of Sao Paulo, Campus of Ribeirao Preto, Brasil.

Dr. Perucca is a member of the faculty in the Schools of Specialization in Neurology, in Child Neuropsychiatry and in Neuropathophysiology at the University of Pavia and in this position he contributes to the training in the epilepsy/pharmacology modules of about 20 postgraduate trainees per year.

He has also contributed regularly over the years to international epilepsy courses organized by EUREPA, ILAE, the European Epilepsy Academy (EUREPA) and ILAE Chapters worldwide. This has included, among other activities, the organization of the biannual courses "Pharmacological Treatment of Epilepsy", Eilat, Israel (2005, 2007, 2009, 2011), and the co-direction of the EUREPA Distant Education Courses on Clinical Pharmacology and Therapeutics of Epilepsy.



## **LIST OF PUBLICATIONS**

### **a) Full articles in scientific journals**

1. PERUCCA, E., TEGGIA, M. and TONINI, M. Site of action of catecholamines on the peristaltic reflex. *Boll. Soc. It. Biol. Sper. (Napoli)* 52, 581-586, 1976
2. PERUCCA, E., TEGGIA, M. and TONINI, M. Peristaltic reflex: supersensitivity to catecholamines. I) The muscular site of action. *Boll. Soc. It. Biol. Sper. (Napoli)* 52, 568-574, 1976
3. PERUCCA, E., TEGGIA, M. and TONINI, M. Peristaltic reflex: supersensitivity to catecholamines. II) The inhibition of the nervous structures. *Boll. Soc. It. Biol. Sper. (Napoli)* 52, 575-580, 1976
4. LECCHINI, S., D'ANGELO, L., TONINI, M., PERUCCA, E., GATTI, G. and TEGGIA D.M. Effects of some autonomic drugs on the electrical activity of intestinal circular muscle. *Boll. Soc. It. Biol. Sper. (Napoli)* 52, 1158-1161, 1976
5. TEGGIA, D.M., PERUCCA, E., and TONINI, M. Effects of pentazocine on gastrointestinal smooth muscle. I) Colon. *Boll. Soc. It. Biol. Sper. (Napoli)* 52, 587-590, 1976
6. TEGGIA, D.M., PERUCCA, E., and TONINI, M. Effects of pentazocine on gastrointestinal smooth muscle. II) Ileum and Oddi's sphincter. *Boll. Soc. It. Biol. Sper. (Napoli)* 52, 591-594, 1976
7. DORMIA CRISTALLO, L., DE PASCALE, V., CREMA, A., CRAVERI, F., PERUCCA, E. and TEGGIA DROGHI, M. Attivita' antibatterica dell'associazione trimethoprim-sulfametossipirazina. *L'Igiene Moderna (Roma)* 69, 261-284, 1976
8. FRIGO, G.M., PERUCCA, E., TEGGIA-DROGHI, M., GATTI, G. VISINTINI, D., CALZETTI, S. and POLONI, M. Rilievi epidemiologici sui livelli plasmatici di difenilidantoina in 130 pazienti epilettici in trattamento cronico. *Riv. Patol. Nerv. Ment. (Firenze)* 97, 305-314, 1976
9. PERUCCA, E. and RICHENS, A. Interaction between phenytoin and imipramine. *Brit. J. Clin. Pharmacol. (London)* 4, 485-486, 1977

10. AHMAD, S., PERUCCA, E. and RICHENS, A. The effect of frusemide, mexiletine, (+)-propranolol and three benzodiazepine drugs on interictal spike discharges in the electroencephalograms of epileptic patients. *Brit. J. Clin. Pharmacol.* (London) 4, 683-688, 1977
11. DE PASCALE, V., BAMONTE, F., CRAVERI, F., CREMA, A., PERUCCA, E. and TEGGIA DROGHI, M. Studio tossicologico dell'associazione trimethoprim-sulfametossipirazina. *L'Igiene Moderna* (Roma) 69, 261-284, 1977
12. GATTI, G., PERUCCA, E., CARAVAGGI, M., POLONI, M., FRIGO, G.M. and CREMA, A. Pharmacokinetics of phenytoin following intravenous administration in epileptic patients. *Il Farmaco* (Ed. Pr.)(Pavia) 32, 470-474, 1977
13. FRIGO, G.M., PERUCCA, E., TEGGIA, D.M., GATTI, G. MUSSINI, A. and SALERNO, J. Comparison of quinidine plasma concentration curves following oral administration of some short- and long-acting formulations. *Brit. J. Clin. Pharmacol.* (London) 4, 449-454, 1977
14. PERUCCA, E., GARRATT, A., HEBDIGE, S. and RICHENS, A. Water intoxication in epileptic patients receiving carbamazepine. *J. Neurol. Neurosurg. Psych.* (London) 41, 713-718, 1978
15. PERUCCA, E., GATTI, G. FRIGO, G.M. and CREMA, A. Pharmacokinetics of valproic acid after oral and intravenous administration. *Brit. J. Clin. Pharmacol.* (London) 5, 313-318, 1978
16. PERUCCA, E., GATTI, G. FRIGO, G.M., CREMA, A., CALZETTI, S. and VISINTINI, D. Disposition of sodium valproate in epileptic patients. *Brit. J. Clin. Pharmacol.* (London) 5, 495-499, 1978
17. PERUCCA, E. Clinical consequences of microsomal enzyme induction by antiepileptic drugs. *Pharmacol. Ther.* (Oxford) 2, 285-314, 1978
18. PERUCCA, E., MAKKI, K. and RICHENS, A. Is phenytoin metabolism dose-dependent by enzyme saturation or by feed-back inhibition? *Clin. Pharmacol. Ther.* (St. Louis) 26, 46-51, 1978
19. FRIGO, G.M., LECCHINI, S., GATTI, G. PERUCCA, E. and CREMA, A. Modification of phenytoin clearance by valproic acid in normal subjects. *Brit. J. Clin. Pharmacol.* (London) 8, 553-556, 1979
20. PERUCCA, E. and RICHENS, A. Paracetamol disposition in normal subjects and in patients treated with antiepileptic drugs. *Brit. J. Clin. Pharmacol.* (London) 8, 201-206, 1979
21. PERUCCA, E. and RICHENS, A. Reduction of oral availability of lignocaine by induction of first-pass metabolism in epileptic patients. *Brit. J. Clin. Pharmacol.* (London) 8, 21-21, 1979
22. RUPRAH, M. PERUCCA, E. and RICHENS, A. Decreased serum protein binding

of phenytoin in late pregnancy. *The Lancet* (London) ii, 316-317, 1980

23. PERUCCA, E. Plasma protein binding of phenytoin in health and disease: relevance to therapeutic drug monitoring. *Ther. Drug Monit.* (New York) 2, 331-344, 1980
24. PERUCCA, E. Drug interactions in epilepsy. *Arquivos de Neuropsiquiatria* (Sao Paulo) 38, 331-340, 1980
25. BACK, D.J., BATES, M., BOWDEN, A., BRECKENRIDGE, A.M., HALL, M.J., JONES, H., MACIVER, M., ORME, M., PERUCCA, E., RICHENS, A., ROWE, P.H. and SMITH, E. The interaction of phenobarbital and other anticonvulsants with oral contraceptive steroid therapy. *Contraception* (Los Altos) 22, 945-502, 1980
26. PERUCCA, E., BITTENCOURT, P. and RICHENS, A. Effect of dose increments on serum carbamazepine concentration in epileptic patients. *Clinical Pharmacokinetics* (Auckland) 6, 576-582, 1980
27. PERUCCA, E., HEDGES, A.M., MAKKI, K.A. and RICHENS, A. A comparative study of antipyrine and lignocaine disposition in normal subjects and in patients treated with enzyme inducing drugs. *Brit. J. Clin. Pharmacol.* (London) 10, 491-497, 1980
28. GRIFFITHS, A., HEBDIGE, S., PERUCCA, E. and RICHENS, A. Quality control in drug measurement. *Ther. Drug Monit.* (New York) 2, 51-59, 1980
29. PERUCCA, E., HEBDIGE, S., FRIGO, G.M., GATTI, G. LECCHINI, S. and CREMA, A. Interaction between phenytoin and valproic acid: Plasma protein binding and metabolic effects. *Clin. Pharmacol. Ther.* (St. Louis) 28, 779-789, 1980
30. PERUCCA, E. and RICHENS, A. Reversal by phenytoin of carbamazepine-induced water intoxication: A pharmacokinetic interaction. *J. Neurol. Neurosurg. Psych.* (London) 43, 540-545, 1980
31. PERUCCA, E., RUPRAH, M. and RICHENS, A. Altered drug binding to serum proteins in pregnant women: Therapeutic relevance. *Journal of the Royal Society of Medicine* (London) 74, 422-426, 1981
32. CALZETTI, S., FINDLEY, L.J. GRESTY, M.A., PERUCCA, E. and RICHENS, A. Metoprolol and propranolol in essential tremor: A double-blind, controlled study. *J. Neurol. Neurosurg. Psych.* (London) 44, 814-819, 1981
33. PERUCCA, E., PICKLES, H. and RICHENS, A. Effect of atenolol, metoprolol, and propranolol on isoproterenol-induced tremor and tachycardia in normal subjects. *Clin. Pharmacol. Ther.* (St. Louis) 29, 425-433, 1981
34. PERUCCA, E. and RICHENS, A. Drug interactions with phenytoin. *Clinical*

Pharmacokinetics (Auckland) 21, 120-137, 1981

35. PICKLES, H., PERUCCA, E., FISH, A. and RICHENS, A. Propranolol and sotalol as antagonists of isoproterenol-enhanced physiologic tremor. *Clin. Pharmacol. Ther.* (St. Louis) 30, 303-310, 1981
36. PERUCCA, E., RUPRAH, M., RICHENS, A., PARK, B.K., BETTERIDGE, D.J. and HEDGES, A.M. Effect of low-dose phenobarbitone on five indices of hepatic microsomal enzyme induction and plasma lipoproteins in normal subjects. *Brit. J. Clin. Pharmacol.* (London) 12, 592-596, 1981
37. PERUCCA, E. and RICHENS, A. The Ultrafree Drug Filters: Need for closer evaluation. *Ther. Drug Monit.* (New York) 3, 309-312, 1981
38. RUPRAH, M. PERUCCA, E. and RICHENS, A. Spuriously high values of unbound drug fraction in serum as determined by the new Ultrafree Anticonvulsant Drug Filters. *Brit. J. Clin. Pharmacol.* (London) 12, 753-756, 1981
39. CALZETTI, S., FINDLEY, L.J., PERUCCA, E. and RICHENS, A. Metoprolol in essential tremor. *The Lancet* (London) ii, 1227, 1981
40. CROLLA, T., ALBRICI, A., PARINI, J., GATTI, G. and PERUCCA, E. Escrezione urinaria di oxiracetam (ISF 2522) nel volontario sano. *Arch. Int. Med.* (Parma) 34, 407-413, 1982
41. CHEN S.S., PERUCCA, E., LEE J.N. and RICHENS, A. Serum protein binding and free concentration of phenytoin and phenobarbitone in pregnancy. *Brit. J. Clin. Pharmacol.* (London) 13, 547-552, 1982
42. COTTRELL, P.R., STREETE, J.M., BERRY, D.J., SCHAEFER, H., PISANI, F., PERUCCA, E. and RICHENS, A. Pharmacokinetics of phenylethylmalonamide (PEMA) in normal subjects and in patients treated with antiepileptic drugs. *Epilepsia* (New York) 23, 307-313, 1982
43. PERUCCA, E. Pharmacokinetic interactions with antiepileptic drugs. *Clinical Pharmacokinetics* (Auckland) 7, 57-84, 1982
44. RIVA, R., ALBANI, F., BARUZZI, A., GALVANI, I. and PERUCCA, E. Determination of unbound valproic acid concentration in plasma by equilibrium dialysis and gas-liquid chromatography: Methodological aspects and observations in epileptic patients. *Ther. Drug Monit.* (New York) 4, 341-352, 1982
45. PERUCCA, E. and CREMA, A. Interazioni farmacologiche nel trattamento dell'epilessia. *Basi Raz. Ter.* (Padova) 12, 797-808, 1982
46. CACCIABUE, L., PERUCCA, E. and CREMA, A. Farmaci antiepilettici in gravidanza, *Basi Raz. Ter.* (Padova) 12, 163-175, 1982
47. ALBANI, F., RIVA, R., PERUCCA, E. and BARUZZI, A. Interference of

- valproic acid in the colorimetric determination of free fatty acids in plasma. *Clinical Chemistry (New York)* 28, 1398, 1982
48. GATTI, G., PERUCCA, E., LECCHINI, S., FRIGO, G.M., and CREMA, A. Pharmacokinetic interactions with antiepileptic drugs. *Int. J. Clin. Pharm. Res. (Geneva)* 11 (suppl.1), 95-100, 1982
  49. TONINI, M., ONORI, L., LECCHINI, S. FRIGO, G.M., PERUCCA, E. and CREMA, A. Mode of action of ATP on propulsive activity in rabbit colon. *Eur. J. Pharmacol. (Amsterdam)* 82, 21-28, 1982
  50. PERUCCA, E. and CREMA, A. Plasma protein binding of drugs in pregnancy. *Clinical Pharmacokinetics (Auckland)* 7, 336-352, 1982
  51. CALZETTI, S., FINDLEY, L.J., PERUCCA, E. and RICHENS, A. Controlled study of metoprolol and propranolol during prolonged administration in patients with essential tremor. *J. Neurol. Neurosurg. Psych. (London)* 45, 893-897, 1982
  52. CALZETTI, S., FINDLEY, L.J., GRESEY, M.A., PERUCCA, E. and RICHENS, A. Effect of a single oral dose of propranolol in essential tremor: A double-blind controlled study. *Ann. Neurol. (Boston)* 13, 165-171, 1983
  53. CALZETTI, S., FINDLEY, L.J., PERUCCA, E. and RICHENS, A. The response of essential tremor to propranolol: Evaluation of clinical variables governing its efficacy on prolonged administration. *J. Neurol. Neurosurg. Psych. (London)* 46, 393-398, 1983
  54. ALBANI, F., RIVA, R., PROCACCIANTI G, BARUZZI, A. and PERUCCA, E. Free fraction of valproic acid: in vitro time-dependent increase and correlation with free fatty acid concentration in human plasma and serum. *Epilepsia (New York)* 24, 65-73, 1983
  55. PERUCCA, E. and CREMA, A. Terapia farmacologica dell'epilessia e monitoraggio dei livelli plasmatici dei farmaci antiepilettici. *Medicina (Riv. Encicl. Med. It.)(Roma)* 3, 219-228, 1983
  56. PERUCCA, E. Schede farmacologico-cliniche (Clonazepam, diazepam e nitrazepam - Carbamazepina - Etosuccimide e metosuccimide - Fenitoina - Fenobarbitale - Primidone - Trimetadione - Valproato di sodio). *Medicina (Riv. Encicl. Med. It.)(Roma)* 3, n. 3, 1983
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