Proceedings of the Second European Regional Conference on Epilepsy, Warsaw, October 5-7, 1978

Epilepsy
A Clinical and Experimental Research
Volume Editor
Jerzy Majkowski

Professor of Neurology, Department of Neurology, Head, Research and Teaching Center, Medical Academy, Warsaw

70 figures and 75 tables, 1980

Previously published
Vol. 1 : Please ask for details.
Contents

List of Authors VIII
Acknowledgements by Jerzy Majkowski XIV
Preface by Jerzy Majkowski XV
Part I: Experimental Models of Epilepsy in Clinical Research
1 Majkowski, J. : Value of Experimental Epilepsy Models for Clinical Research 1
2 Nisticò, G. ; De Sarro, G.B. ; Naccari, F. ; Musolino, R. ; Rotiroti, D. ; Gallitto, G.,
3 Szente, M., and Pongrácz F.: Aminopyridine — Induced Seizure Activity .20
4 Szirmai, I. ; Vollmer, R., and Lapins, R. : Analysis of Cortical Spread of Acetylcholine
(ACH) — Induced Epileptiform Discharges 25
of the Brain, an Agent in the Genesis of Focal Epilepsy? 30
6 Elomaa, E.: Early Enteritis, Enterotoxins of E. coli and Seizure Threshold 32

Part II: Computerized Technique in Epilepsy

10 Fernández, G., and Harmony T.: Neurometric Assessment in Temporal Epilepsy 56
12 Rosadini, G.; Ferrillo, F.; Rodríguez, G., and Sannita, W. G.: A Computer Analysis of Specific and Aspecific Intercital Epileptic Activity in Man 74

Contents VI

Part III: Therapy of Epilepsy and New Antiepileptic Drugs

15 Scheffner, D.: Principles of Anticonvulsant Therapy in Childhood Epilepsies 94
16 Rump, S.: New Anticonvulsant Drugs 105
17 Doychinov, D.: Didepil for the Treatment of Epilepsy 112
18 ysakowska-Sarnicka, K.; Majkowski, J., and Biliska-Nigot, B.: Antiepileptic and Side Effects of Didepil 119
20 Pisarski, W.; Majkowski, J.; ysakowska-Sarnicka, K., and Biliska-Nigot, B.: Sodium Dipropylacetate (Vupral Polfa) in Therapy Resistant Epilepsy.131
23 Bacia, T.; Purska-Rowiska, E., and Okuszko, S.: Clonazepam in the Treatment
Part IV: Plasma Levels of Antiepileptic Drugs

26 Bartels, H.: Drug Monitoring in Anticonvulsant Therapy 168
27 Richens, A.: Drug Level Monitoring: the Importance of Quality Control 176
28 Zagnoni, P.; Leone, L.; Baruzzi, A.; Benassi, E.; De Bernardi, M.; Frigo, G. M.; Gerbino-Promis, P. C., and Zaccara, G.: Antiepileptic Drug Therapy and Plasma Levels in 2500 Patients from Northern Italy 183
29 Tartara, A.; Moglia, A.; Bo P.; Verri, A. P.; Crema, A.; Frigo, G. M.; Gatti, G., and Lecchini, S.: Plasma Level Analysis of Some Antiepileptic Drugs in 180 Patients 190
32 Scherber, A.; Richter, K., and Schaps, P.: Distribution of Antiepileptic Drugs between Plasma, Plasma Water, Cerebrospinal Fluid, Saliva and Brain 208
33 Munari, C., Talairach, J.; Bancaud, J.; Rovei, V.; Sanjuan, E.; Peschanski, M., and Morselli, P. L.: Brain Levels of Antiepileptic Drugs in Man 213
34 Richens, A.; Makki, K.; Monks, A.; Oxley, J., and Laidlaw, J.: Effects of Sodium Valproate of the Serum Protein Binding of Phenytoin, and on Liver Enzyme Activity 221
Contents VII

35 Bendarzewska-Nawrocka, B.; Pietruszewski, E., and Bacia, T.: The Relationship between the Serum Levels of Phenobarbital and Diphenylhydantoin and Clinical Data in Patients with Drug Resistant Epilepsy 229
36 Baraczka, K., and Molnár, G.: Possible Drug Interaction in Chronic Treatment of Epileptic Patients: Serum Level Studies 235
37 Oettinger, B., and Richter, K.: Antiepileptic Drug Levels and Side Effects in Man 240

Part V: Miscellanea

38 Valerio, P.; D'Ambrosio, G.; De Rosa, A.; Montella, P.; Sannino, V., and Vizioli, R.: Living with Epilepsy: Medical and Social Considerations 245
39 Boldyrev, A. I.: Secondary Psychic Disturbances in Epilepsy 250
40 Huber, Z., and Kobylinska, E.: Treatment Efficacy and Employment of Epileptics 256
41 Marchesi, G. F.; Ladavas, E.; Provinciali, L.; Del Pesce M.; Fuá, P., and Giuliani, G.: Neuropsychological Performances in Patients Treated with Different Antiepileptic Drugs 258
42 Sonnen, A. E. H.: Epilepsy and Swimming 265
43 Elomaa, E.; Lehtovaara, R., and Bardy, A.: Results of Follow-up after One Convulsive Seizure in Adults. A Prospective Study of 32 Patients 271
44 Lehtovaara, R.; Elomaa, E., and Bardy, A.: A Follow-up Study of 880 Adult Ambulatory Epileptics. A Pitòjänmäki Epilepsy Research Center Project on the Prognosis of Epilepsy 273
45 Heinonen, A., and Lehtovaara, R.: Rehabilitation in Epilepsy. A Follow-up Study 277
46 Rociszewska. D.: Analysis of Seizure Dispersion during Menstrual Cycle in Women with Epilepsy 280
50 Müller, D.: On the Problem of Nonepileptic Drop Attacks 298

Closing Remarks by Karl-Axel Melin 301
Subject Index 304

List of Authors

Ahn Hansook, New York University Medical Center, 550 First Avenue, New York, N. Y. 10016 (USA)
Angeleri Franco, Institute of Nervous Diseases, Neurological Clinic, University of Ancona, c/o Ospedale Regionale Umberto I, 60100 Ancona (Italy)
Avanzini Giuliano, Department of Neurophysiology, C. Besta Institute of Neurology, via Celoria 11, 20133 Milano (Italy)
Bacia Tadeusz, Neurosurgical Clinic, Medical Academy of Warsaw, Central Clinic Hospital, ul. Banacha la, 02-097 Warszawa (Poland)
Baird Henry W., St. Christopher's Hospital, Philadelphia, Pennsylvania (USA)
Bancaud Jean, Institut National de la Santé et de la Recherche Médicale, Centre Paul Broca, Unité de Recherches sur l'Epilepsie (U 97), 2 ter, rue d'Alésia, 75014 Paris (France)
Baraczka Krisztina, Department of Psychiatry, Semmelweis Medical School, Balassa u. 6, H-1083 Budapest (Hungary)
Bardy Ali, Pitäjänmäki Epilepsy Research Center, Kyläkirkontie 23, 00370 Helsinki 37 (Finland)
Baruzzi Agostino, Neurological Clinic, University of Bologna, 40127 Bologna (Italy)
Bartels Helmut, Department of General Paeditrics, Christian Albrecht's University of Kiel, Schwansenweg 20, D-2300 Kiel 1 (FRG)
Benassi Enrico, Neurological Clinic, University of Genoa, 16132 Genova (Italy)
Bendarzewska-Nawrocka Barbara, Neurosurgical Clinic, Medical Academy of Warsaw, Central Clinic Hospital, ul. Banacha la, 02-097 Warszawa (Poland)
Biliska-Nigot Barbaea, Department of Neurology, Research and Teaching Center, Medical Academy, ul. Grenadierów 51/59, 04-073 Warszawa (Poland)
Boldyrev Alexander J., Department of Epilepsy, Moscow Institute of Psychiatry, Moscow, Potieshna 3 (USSR)
Bo Paola, Center for Epilepsy, Neurological Clinic, University of Pavia, via Palestro 3, 27100 Pavia (Italy)
Boassi Laura, Synthelabo- L.E.R.S., Department of Clinical Pharmacology, 58, rue de la Glaciére, 75013 Paris (France)
Bruens Johan H., Hans Berger Clinic, Galdereweg 81, 4800 RA Breda (The Netherlands)
Caraceni Tommaso, Department of Neurophysiology, C. Besta Institute of Neurology, via Celoria 11, 20133 Milano (Italy)
Consolazione Adriana, M. Negri Institute of Pharmacology Research, via Eritrea 62, 20157 Milano (Italy)
Crema Antonio, Institute of Pharmacol., Univ. of Pavia, Piazza Botta, 27100 Pavia (Italy)
D'Ambrosio G., 1st Neurological Clinic, 1st Faculty of Medicine, University of Naples, Piazza Miraglia 2, 80100 Napoli (Italy)

List of Authors IX

De Bernardi M., Private Institution, Milan (Italy)
De Luca Grazia, Institute of Biochemistry, Faculty of Medicine, University of Messina, via Tomasso Cannizzaro 278, 98100 Messina (Italy)
Del Pesce Maria, Institute of Nervous Diseases, Chair of Psychology, University of Ancona, c/o Ospedale Regionale Umberto I, 60100 Ancona (Italy)
De Rosa A., 1st Neurological Clinic, University of Naples, Piazza Miraglia 2, 80100 Napoli (Italy)
De Sarro Giovan Battista, Institute of Pharmacology, Faculty of Medicine, University of Messina, Piazza XX Settembre 4, 98100 Messina (Italy)
Di Giorgio Rosa Maria, Institute of Biochemistry, Faculty of Medicine, University of Messina, via Tomasso Cannizzaro 278, 98100 Messina (Italy)
Di Perri Raoul, Neurological Clinic, Faculty of Medicine, University of Messina, 98100 Messina (Italy)
Doychinov Dimitr, Neurological Clinic, Dr. R. Angelov District Hospital, Sofia (Bulgaria)
Elomaa Eero, Institute of Physiology, University of Helsinki, Siltavuorenpenkry 20 J,
00170 Helsinki 17 (Finland)
Gallito Giuseppe, Neurological Clinic, University of Messina, 98100 Messina (Italy)
Gatti Giuliana, Institute of Pharmacology, University of Pavia, Piazza Botta, 27100 Pavia (Italy)
Gerbino-Promis Pier Carlo, Neurological Department, S. Croce Hospital, 12100 Cuneo (Italy)
Grdzki Janusz, Institute of Radiology, Neuroradiological Section, Medical Academy of Pozna, ul. Przybyszewskiego 49, 60-355 Poznan (Poland)
Giuliani Giorgio, Institute of Nervous Diseases, Chair of Psychology, University of Ancona, c/o Ospedale Regionale Umberto I, 60100 Ancona (Italy)
Guazzi G. C., Clinica Neurologica, University of Siena, Siena (Italy)
Harmony Thalia, Department of Neurophysiology, National Center of Scientific Researches, CENIC., Havana (Cuba)
Heinonen Aila, Pitäjänmäki Epilepsy Research Center, Kyläkirkontie 23, 00370 Helsinki 37 (Finland)
Huber Zdzisaw, Consulting Antiepileptic Center, ul. Slowackiego 8/10, 60-821 Poznan (Poland)
Ilczuk Izabella, Department of Neurology, Central Clinic Hospital, Military Medical Academy, ul. Szaserów 128, 04-349 Warszawa (Poland)
Johansson Gunnar, University of Helsinki, Siltavuorenpenger 20 J, 00170 Helsinki 17 (Finland)
John E. Roy, New York University Medical Center, 550 First Avenue, New York, N. Y. 10016 (USA)
Kakegawa Norio, National Epilepsy Center, Shizuoka-Higashi Hospital, Urushijama 886, Shizuoka (Japan)
Karliski Andrzej, Laboratory of Experimental Neurology, State Hospital No 1, Medical Academy, ul. Lindleya 4, 02-005 Warszawa (Poland)
Klimgwicz-Modzik Izabella, Department of Neurology, Research and Teaching Center, Medical Academy of Warsaw, ul. Grenadierów 51/59, 04-073 Warszawa (Poland)
Knijff Willem, Hans Berger Clinic, Galertseweg 81, 4800 RA Breda (The Netherlands)
Kobylisha Elbieta, Consulting Antiepileptic Center, ul. Slowackiego 8/10, 60-823 Pozna (Poland)

List of Authors X

Konkiewicz Janusz, Department of Neuroradiology and Department of Neurosurgery, Medical Academy of Pozna, ul. Przybyszewskiego 49, 60-355 Poznan (Poland)
Kowalczyk Krystyna, Department of Neurology, Voivodeship Hospital in Szczecin, Szczecin (Poland)
Kukkola Leena, University of Helsinki, Siltavuorenpenger 20 J, 00170 Helsinki 17 (Finland)
Ladavas Elisabetta, Institute of Psychology, University of Bologna, viale Berti Pichat 5, 40127 Bologna (Italy)
Laidlaw John, Department of Clinical Pharmacology, St. Bartholomew's Hospital, London,
EC1A. 7BE and the National Hospitals-Chalfont Center for Epilepsy, Chalfont St.
Peter, Buckinghamshire (England)
Lapins Richard, Institute of Neurology, University of Vienna, A-1090 Wien, Währinger
Strasse 17 (Austria)
Lecchini Sergio, Institute of Pharmacology, University of Pavia, Piazza Botta, 27100 Pavia
(Italy)
Leone Leonello, Regina Margherita Children Hospital, Turin; Torino (Italy)
Lehtovaara Raimo, Pitäjänmäki Epilepsy Research Center, Kyläkirkontie 23, 00370 Helsinki
37 (Finland)
ysakowska-Sernicka Krystyna, Department of Neurology, Research and Teaching Center,
Medical Academy of Warsaw, ul. Grenadierów 51/59, 04-073 Warszawa (Poland)
Macaione Salvatore, Institute of Biochemistry, Faculty of Medicine, via Tomasso Cannizaro
278, 98100 Messina (Italy)
Majkowski Jerzy, Department of Neurology, Research and Teaching Center and Laboraratory
of Experimental Neurology, Medical Academy of Warsaw, ul. Grenadierów
51/59, 04-073 Warszawa (Poland)
Makki Khalil, Department of Clinical Pharmacology, St. Bartholomew's Hospital, London,
EC1A. 7BE and the National Hospitals-Chalfont Center for Epilepsy, Chalfont St.
Peter, Buckinghamshire (England)
Marchesi Gian Franco, Institute of Nervous Diseases, Chair of Psychology, University
of Ancona, c/o Ospedale Regionale Umberto I, Piazza Cappelli 1, 60100 Ancona
(Italy)
Mauro Anna Maria, Institute of Nervous Diseases, Neurological Clinic, University of
Ancona, c/o Ospedale Regionale Umberto I, 60100 Ancona (Italy)
Melin Karl-Axel, Medical Director, Member of the Executive Comitées of I.L.A.E.
and I.B.E., Stora Sköndals Sjukhus, 12385 Farsta (Sweden)
Miyakoshi Masako, National Epilepsy Center, Shizuoka-Higashi Hospital, Urushijama
886, Shizuoka (Japan)
Moglia Arrigo, Center for Epilepsy, Neurological Clinic, University of Pavia, via Palestro 3,
27100 Pavia (Italy)
Molnár Gyula, Department of Psychiatry, Semmelweis Medical School, Balassa u. 6,
H-1083 Budapest (Hungary)
Monks Anne, Department of Clinical Pharmacology, St. Bartholomew's Hospital, London,
EC1A. 7BE and the National Hospitals-Chalfont Center for Epilepsy, Chalfont St.
Peter, Buckinghamshire (England)
Montella P., 1st Neurological Clinic, 1st Faculty of Medicine, University of Naples, Piazza
Miraglia 2, 80100 Napoli (Italy)
Morgante Letterio, Department of Neurology, University of Messina, 98100 Messina (Italy)
Morikawa Tateki, National Epilepsy Center, Shizuoka-Higashi Hospital, Urushijama 886,
Shizuoka (Japan)

List of Authors XI
Morselli Paolo-Lucio, Synthelabo-L.E.R.S., 58, rue de la Glacière, 75013 Paris (France)
Munari Claudio, Institut National de la Santé et de la Recherche Médicale, Centre Paul Broca, Unité de Recherches sur l'Epilepsie (U 97), 2 ter, rue d'Alésia, 75014 Paris (France)
Musolino Rosella, Neurological Clinic, Faculty of Medicine, University of Messina, 98100 Messina (Italy)
Müller D., Neurological and Psychiatric Clinic, Carl Gustaw Carus Medical Academy, Fetscherstrasse 74, DDR-8019 Dresden (GDR)
Naccari Francesco, Institute of Pharmacology, Faculty of Medicine, University of Messina, Piazza XX Settembre 4, 98100 Messina (Italy)
Negri Silvio, Department of Neurophysiology, C. Besta Institute of Neurology, via Celoria 11, 20133 Milano (Italy)
Nisticò Giuseppe, Institute of Pharmacology, Faculty of Medicine, University of Messina, Piazza XX Settembre 4, 98100 Messina (Italy)
Okuszko Stanislaw, Neurosurgical Clinic, Medical Academy of Warsaw, Central Clinic Hospital, ul. Banacha 1a, 02-097 Warszawa (Poland)
Osawa Takeshi, National Epilepsy Center, Shizuoka-Higashi Hospital, Urushijama 886, Shizuoka (Japan)
Oxley Jolyon, Department of Clinical Pharmacology, St. Bartholomew's Hospital, London, EC1A. 7BE and the National Hospitals-Chalfont Center for Epilepsy, Chalfont St. Peter, Buckinghamshire (England)
Paolozzi Curzio, Neurophysiopathology Service, University of Naples, 80138 Napoli (Italy)
Parati Eugenio, Department of Neurophysiology, C. Besta Institute of Neurology, via Celoria 11, 20133 Milano (Italy)
Pawelec Ryszard, 3rd Clinic of General Surgery, Institute of Surgery, Pomeranian Medical Academy in Szczecin, ul. Powstaców Wlkp. 72, 70-111 Szczecin (Poland)
Peschanski Marc, Service de Neurochirurgie Fonctionelle, Hôpital Ste Anne, Paris (France)
I.N.S.E.R.M. Institut National de la Santé et de la Recherche Médicale, Centre Paul Broca, Unité de Recherches sur l'Epilepsie (U 97), 2 ter, rue d'Alésia, 75014 Paris (France)
Pietruszewska Ewa, Neurosurgical Clinic, Medical Academy of Warsaw, Central Clinic Hospital, ul. Banacha la, 02-097 Warszawa (Poland)
Pisani Francesco, Department of Neurology, University of Messina, 98100 Messina (Italy)
Pisarski Wlodzimierz, Department of Neurology, Research and Teaching Center, Medical Academy, ul. Grenadierów 51/59, 04-073 Warszawa (Poland)
Pongrácz Ferenc, Department of Comparative Physiology, Attila József University, Középfasor 50-52, 6726 Szeged (Hungary)
Provinciali Leandro, Institute of Nervous Diseases, Chair of Psychology, University of Ancona, c/o Ospedale Regionale Umberto I, 60100 Ancona (Italy)
Purska-Rowiska Ewa, Neurosurgical Clinic, Neurophysiology and EEG Laboratory,
Medical Academy, Central Clinic Hospital, ul. Banacha 1a, 02-097 Warszawa (Poland)
Richens Alan, Institute of Neurology, St. Bartholomew's Hospital, London, EC1A 7BE (England)
Richter Klaus, Institute of Clinical Pharmacology, Carl-Gustav-Carus Medical Academy Dresden, DDR-8019 Dresden, Fiedlerstrasse 27 (GDR)

List of Authors XII
Rodriguez Guido, Institute of Neurophysiopathology, University of Genoa, Ospedale San Martino, 16132 Genova (Italy)
Rosadini Guido, Chair of Neurophysiopathology, University of Genoa, Ospedale San Martino, 16132 Genova (Italy)
Rociszewska Danuta, 2nd Department of Neurology, Silesian Medical Academy, ul. 3 Maja 13/15, 41-800 Zabrze, P.O. Box 186 (Poland)
Rotiroti Domenicantonio, Institute of Pharmacology, Faculty of Medicine, Piazza XX Settembre 4, 98100 Messina (Italy)
Rovei Vincenzo, Institute Nationale de la Santé de la Recherche Médicale, Centre Paul Proca, Unité de Recherches sur l'Epilepsie (U97), 2 ter, rue d'Alésia, 75014 Paris (France)
Synthelabo - L.E.R.S. 58, rue de la Glaciére, 75013 Paris (France)
Rump Slawomir, Neurosurgical Clinic, Department of Neurology, Military Medical Academy, Central Clinic Hospital, ul. Szaserów 128, 04-349 Warszawa (Poland)
Sanjuan Ettore, Institute National de la Santé et de la Recherche Médicale, Centre Paul Broca, Unité de Recherches sur l'Epilepsie (U97), 2 ter, rue d'Alésia, 75014 Paris (France)
Service de Neurochirurgie Fonctionnelle, Hôpital Ste Anne, Paris (France)
Sannino V., 1st Neurological Clinic, Faculty of Medicine, University of Naples, Piazza Miraglia 2, 80100 Napoli (Italy)
Sannita Walter G., Institute of Neurophysiopathology, University of Genoa, Ospedale San Martino, 16132 Genova (Italy)
Scarpino Osvaldo, Institute of Nervous Diseases, Neurological Clinic, University of Ancona, c/o Ospedale Regionale Umberto I, 60100 Ancona (Italy)
Schaps Peter, Clinic of Surgery, Carl-Gustav-Carus Dresden Medical Academy, DDR-8019 Dresden, Fiedlerstrasse 27 (GDR)
Scheffner Dieter, Pediatrics Clinic, Neuropediatrics Section, University of Heidelberg, Im Neuenheimer Feld 153, 6900 Heidelberg 1 (FRG)
Seino Masakazu, National Epilepsy Center, Shizuoka-Higashi Hospital, Urushijama 886, Shizuoka (Japan)
Sobieszek Aleksander, Laboratory of Experimental Neurology, State Hospital No 1, Medical Academy, ul. Lindleya 4, 02-005 Warszawa (Poland)
Sonnen Arthur E. H., Hans Berger Clinic, Galdersheweg 81, 4800 RA Breda (The Netherlands)
Sowiska Teresa, Department of Neurology, Research and Teaching Center of Medical Academy, ul. Grenadierów 51/59, 04-073 Warszawa (Poland)
Szente Magdolna, Department of Comparative Physiology, Attila József University, Középfasor 52, 6726 Szeged (Hungary)
Szirmai Imre, Department of Neurology and Psychiatry, University Medical School Pécs, Rét u. 2, H-7623 Pécs (Hungary)
Szubert Maria Magdalena, Department of Neurology, Research and Teaching Center, Medical Academy, ul. Grenadierów 51/59, 04-073 Warszawa (Poland)
Talairach Jean, Service de Neurochirurgie Fonctionelle, Hôpital Ste Anne, Paris (France); Institut National de la Santé et de la Recherche Médicale, Centre Paul Broca, Unité de Recherches sur l'Epilepsie (U97), 2 ter, rue d'Alésia, 75014 Paris (France)
Tartara Amelia, Center for Epilepsy, Neurological Clinic, University of Pavia, via Palestro 3, 27100 Pavia (Italy)

List of Authors XIII

Tata Maria Rossana, Neurophysiopathological Service, University of Naples, Piazza L. Miraglia 2, 80 138 Napoli (Italy)
Tokarcz Andrzej, Institute of Biopharmacy, Department of Bromatology, Medical Academy, ul. Banacha la, 02-097 Warszawa, (Poland)
Valerio Paolo, Neurological Clinic, 1st Faculty of Medicine, University of Naples, Piazza Miraglia, 2, 80100 Napoli (Italy)
Verri Anna Pia, Center for Epilepsy, Neurological Clinic, University of Pavia, via Palestro 3, 27100 Pavia (Italy)
Viziola R., 1st Neurological Clinic, 1st Faculty of Medicine, Piazza Miraglia 2, 80100 Napoli (Italy)
Vollmer Rembert, Institute of Neurology, University of Vienna, Währinger Strasse 17, A-1090 Wien (Austria)
Wada Toyoji, National Epilepsy Center, Shizuoki-Higashi Hospital, Urushijama 886, Shizuoka (Japan)
Walczyna Karol, Department of Neurology, Central Clinic Hospital, Military Medical Academy, ul. Szaserów 128, 04-349 Warszawa (Poland)
Wiechert P., Department of Child Neuropsychiatry, Wilhelm Pieck University, Gehlsheims-strasse 20, DDR 25 Rostock (GDR)
Woniak Jan, Department of Bromatology, Medical Academy, Institute of Biopharmacy, ul. Banacha la, 02-097 Warszawa (Poland)
Yagi Kazuichi, National Epilepsy Center, Shizuoka-Higashi Hospital, Urushijama 886, Shizuoka (Japan)
Zaccara Gaetano, Neurological Clinic, University of Florence, Firenze (Italy)
Zadroyska Ewa, Neural Diseases Clinic, Central Clinic Hospital, Military Medical Academy, ul. Szaserów 128, 04-349 Warszawa (Poland)
Zagnoni Piero, Divisione Neurologica, Ospedale, S. Croce, 12100 Cuneo (Italy)
Zajqc Julian, 3rd Clinic of General Surgery, Institute for Surgery, Pomeranian Medical
Acknowledgements

The Second European Regional Conference on Epilepsy was organized by the Polish, Italian and West German Chapters of the International League Against Epilepsy. At this point I would like to express my thanks to my colleagues, the Presidents of the Chapters: Professor Franco Angeleri and Professor Hermann Doose for their kind and most effective cooperation.

Publication of this monograph has been made possible due to the combined effort and help of the Warsaw Pharmaceutical Establishments «Polfa» as well as the Polish, Italian and West German Chapters of the International League Against Epilepsy. I wish to acknowledge my debt of gratefulness to the persons and institutions who have assisted me in the preparation and production of this volume. In particular, I am indebted and I express my gratitude to Mr. K. Blichewicz for editing this text and for the valuable contribution of his knowledge and time, and to Mrs. B. Zielinska for her willing secretarial help and assistance in different stages of the monograph preparation. Finally, I would like to express my thanks to the Secretary of the Conference Dr. A. Sobieszek and the Secretary of the Polish Chapter of the ILAE, Dr. W. Pisarski for their helpfulness in the organization of the Conference and the preparation of this monograph.

President of the Polish Chapter of the International League Against Epilepsy

Preface

This book contains fifty papers presented by researchers and epileptologists from fifteen countries at the Second European Regional Conference on Epilepsy held in Warsaw in October 1978. The main edition for general distribution is provided by S. Karger AG, Basel, as volume 5 of "Monographs in Neural Sciences". The limited edition in hard bound form for the members of the organizing Chapters of the International League Against Epilepsy is the second volume in the "Research on Epilepsy Series" published by the Polish Chapter of the International League Against Epilepsy.

The book is divided into five parts corresponding to the major topics of the conference:
1. Experimental Models of Epilepsy in Relation to Clinical Research.
2. Computerized Techniques in Epilepsy.
3. Therapy of Epilepsy and New Antiepileptic Drugs.
4. Plasma Levels of Antiepileptic Drugs.
5. Miscellanea (which deal mostly with social aspects of epilepsy).

Each part is preceded, as in the Conference, by an invited lecture.

These papers address the most crucial issues in experimental and clinical research and current procedures in the field of epilepsy: epilepsy models, quantitative analysis of electrophysiological data, and practical approaches to modern pharmacological therapy. Additional papers deal with the everlasting human concern for the social aspects of epilepsy.

Small conferences such as this are important in another sense, they afford the opportunity for the participants to meet and discuss their work on a personal basis. Direct communication among individuals, who previously were only names on publications, circumvents the limitations of the printed word in conveying the thought processes resulting in future developments in a research field.

Preface XVI

It is hoped that this Conference contributed also in that way to better mutual understanding among participants. This and other problems of the epilepsy meetings have been discussed in a profound and reflective way by Dr. Karl-Axel Melin in his Closing Remarks for this Conference.

President of the Polish Chapter of the International League Against Epilepsy