



The VIIIth ESPID Conference
(European Society for the Study and Prevention of Infant Death)
THE INTERNATIONAL CONFERENCE ON
PREVENTION OF INFANTILE APNEA AND SUDDEN INFANT DEATH:
ON THE VERGE OF THE MILLENNIUM

Crowne Plaza Hotel, Jerusalem, May 30th - June 3rd, 1999



Under the Auspices of:
Israel Ministry of Health
Israel Ministry of Tourism
Mayor of Jerusalem
Tel-Aviv University School of Medicine

The conference is organized in cooperation with:
ESPID (European Society for the Study & Prevention of Infant Death)
SIDS International
E.R.S. (European Respiratory Society)
ESPO (European Society of Pediatric Otolaryngology)
Israel Medical Association

PROGRAM

The VIIIth ESPID Conference

**(European Society for the Study and
Prevention of Infant Death)**

**THE INTERNATIONAL CONFERENCE ON
*PREVENTION OF INFANTILE APNEA AND
SUDDEN INFANT DEATH:*
ON THE VERGE OF THE MILLENIUM**

**Crowne Plaza Hotel, Jerusalem, Israel
May 30th - June 3rd, 1999**

PROGRAM

Conference Organizers:
Dan Knassim Ltd.
P.O.Box 1931, Ramat Gan 52118
Tel: 972-3-6133340, Fax: 972-3-6133341
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Dear Colleagues,

It is my great pleasure to welcome you to the VIIIth ESPID Conference here in Jerusalem.

We planned this multidisciplinary Conference with the hope of creating an atmosphere that will stimulate both professional and personal dialogue. The scientific program was designed for the pursuit of excellence and the advancement of understanding SIDS.

This International Conference offers the latest and most significant developments in clinical practice approaches, basic research and public health education. Dedicated to the prevention of SIDS and ALTE, the themes will focus on:

*Further reducing the risk of SIDS and ALTE.
Bringing the subject into awareness in our region.
Establish Guidelines for better infant care practices.
Improving family care and support for bereaved families
Identify new research directions and priorities for the next century.*

During the Conference the founding of the Israel Society for the study and Prevention of Infant Death will be announced and the presentation of the ESPID Award will take place.

The venue of the Conference, Jerusalem - the ancient spiritual, cultural and religious center - will no doubt add to the scientific values and benefits of the conference.

I take this opportunity of thanking my colleagues and members of the organizing and scientific committees for their hard work and persevering dedication in putting this conference together and producing a program of such exceptional level.

I would also like to thank all distinguished speakers for their contribution and all those who have submitted abstracts for oral presentation and poster display.

It is my sincere hope and belief that you will find the conference both memorable and rewarding.

We wish you a fruitful, stimulating and enjoyable conference.

Anat Shatz, MD
Chairperson

COMMITTEES

Anat Shatz - Chairperson

Karl Bentele - Co-Chairperson

Local Organizing & Scientific Committ

Anat Shatz - Co-Chair, Yakov Sivan - Co-Chair

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Emanuel Tirosh
Itzhak Vinograd

ACKNOWLEDGEMENTS

The Organizing Committee gratefully acknowledges the following sponsoring organizations and companies for their contribution to the success of the conference (Alphabetical order):

Astra Draco
Ashalim
Eldan
GlaxoWellcome
Hisense Ltd.
Israel Ministry of Health
Israel Ministry of Tourism
Karl Storz Endoscopy GMBH
Mallinckrodt
MB Innovative Medical Technology Ltd
SensorMedics
Shiloah-Harel Insurance Company Ltd.
Teva-Pharma
The First International Bank of Israel

GENERAL INFORMATION

Conference Venue

Crowne Plaza Hotel, Givat Ram, Jerusalem
Tel: +972-2-6588888, Fax: +972-2-6514555

Dates

Sunday, May 30th - Thursday, June 3rd, 1999

Registration and Hospitality Desks

The Registration and Hospitality desks will be open as follows:

Sunday, May 30, 1999 17:00-20:00

Monday, May 31, 1999 08:00-18:30

Tuesday, June 1, 1999 08:00 - 18:30

Wednesday, June 2, 1999 08:00 - 15:00

Thursday, June 3, 1999 08:00 - 18:00

Please wear your name tag for the full duration of the conference and during all of the conference functions.

Conference Language

The official language of the conference is English.

Posters

Please check your day of presentation and poster-board number in the scientific program.

Poster session A: Authors are requested to display their poster on Monday, May 31, 1999 from 08:00 am and stand by their posters on June 1, 1999 between 13:00- 14:00. Please remove your posters on June 1, 1999 by 18:00.

Poster session B: Authors are requested to display their poster on Wednesday, June 2, 1999 from 08:00 am and stand by their posters on June 3, 1999 between 13:00- 14:00. Please remove your posters on June 3, 1999 by 18:00.

Slides Preview Desk

A desk will be available throughout the conference where speakers may check their slides prior to presentation. We kindly ask you to approach the desk on your day of presentation.

Certificate of Attendance

Will be provided upon request

Exhibition

Conference participants are invited to visit the exhibition. The exhibition is open in conjunction with conference activities from Monday, May 31 through Thursday, June 3.

Accompanying Persons

For registered accompanying persons we offer: A full day tour to Tel-Aviv and Jaffa on June 1. A half day tour to Jerusalem with all participants on Wednesday, June 2. Information will be available at the hospitality desk about an extensive range of tours, social and recreational activities.

Tourist Services

Dan Knassim Ltd will operate a desk during the conference. Participants requiring additional accommodations in Israel, tours, domestic flights, car rental, etc., may apply to the hospitality desk for their convenience.

Car Rentals

Special conference rates can be obtained from Europcar. Further details can be obtained from the hospitality desk.

Confirmation of Return Flights

Participants must confirm their return flights at least 72 hours prior to departure. Confirmation forms are available at the registration desk. Please complete it and return it to the registration desk within the first day of the conference.

Conference Secretariat

Dan Knassim Ltd, Organizers of conventions. Exhibitions and Special Events.

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SCIENTIFIC PROGRAM

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Sunday, May 30,1999

16:00-19:00 The ESPID Board Meeting Hall C

Monday, May 31, 1999

08:45-09:15 **Opening Session** Hall A
K.H.P.Bentele, Germany, Y. Danon, Israel,
Y. Kadman, Israel, A. Shatz, Israel

09:15 - 10:00 **Plenary Session** **Hall A**
Chairperson: **A. Shatz, Israel**
Sudden Infant Death: Current Status 2000 - an
Overview
A. Kahn, J. Groswasser, P. Franco, S.Scaillet,
M. Sottiaux, T. Simon, Belgium

10:00-10:30 *Coffee Break*

10:30 - 12:00 **Parallel Sessions**

10:30 - 12:00 Autopsy in SIDS and Forensic
Medicine Hall A
Chairpersons: **T.O. Rognum, Norway, Y. Hiss, Israel**

10:30-10:50 The Importance of Postmortem Data for Prevention of
SIDS
C. Rambaud, E. Briand, France

10:50-11:10 The International Standardized Autopsy Protocol
(ISAP) and Standardized Death Scene Protocol for
Sudden Unexpected Infant Death: Status Report of
Implementation
H.F. Krous, USA, R. W. Byard, Australia

11:10-11:30 Increased Awareness when Diagnosing SIDS
T.O. Rognum, Norway

11:30-11:50 What Constitutes a 'Thorough' Autopsy in Unexpected Infant Death?
R.W. Byard, Australia, H.F. Krous, USA

11:50-12:00 Discussion

10:30 - 12:00 Gastroesophageal Reflux in ALTE and SIDS Hall B

Chairperson: **D. Branski, Israel**
The session is sponsored by GlaxoWellcome

10:30-10:55 Gastro-Oesophageal Reflux and ALTE
J. Groswasser, M. Scailion, S. Cadranel, A. Kahn, Belgium

10:55-11:20 Correlation of Study Methods Assessing Gastro-oesophageal Reflux Induced Laryngeal Inflammation
J.P. Willging, C.D. Rudolph, J.S. McMurray, M.E. Gerber, R.T. Cotton, USA

11:20-11:45 Gastroesophageal Reflux: State of the Art
D. Branski, J. Faber, Israel

11:45-12-00 Discussion

12:00 - 13:00 Oral Presentations - Free Papers

12:00-13:00 Infantile Apnea and Life Threatening Events Hall A

Chairperson: **M.P. Samuels, UK**

12:00 - 12:15 The Prevalence of Central Apnea in High Risk SIDS Infants
A. Curns, A. Steinschneider, H. Shoemaker, USA

12:15-12:30 Infantile Central Sleep Apnea - Improvement with Acetazolamide
H. Philippi, G. Kutschke, S. Kolb, B. Reitter, Germany

- 12:30 - 12:45 Dynamic Etiology of Acute Life-Threatening Episodes (ALTE)
V. Touvenot, France
- 12:45-13:00 Cardiorespiratory Problems in Infancy - the "GER Connection"?
Y. Suranyi, M. Wilschanski, D. Branski, J. Faber, Israel
- 12:00-13:00 Epidemiology & Risk Factors (A) Hall B
Chairperson: **R. G. Carpenter, UK**
- 12:00 - 12:15 Child Care Related SIDS Risk Factors in Traditional Societies
E.A.S. Nelson, China, W. Schiefenhoevel, F. Haimerl, Germany
- 12:15-12:30 Repeat Cot Deaths in Families Enrolled on the Coni Programme 1989-1997
A.J. Waite, J.L. Emery, A McKenzie, R.G Carpenter, R.C Coombs, C. Daman-Willems, UK
- 12:30 - 12:45 New Findings from the ECAS Study
R, G. Carpenter, UK
- 12:45-13:00 Sudden Unexpected Deaths (SUDS) in Infancy: What is the Prevalence of Child Abuse and Negligence?
A. Cote, Canada
- 12:00-13:00 Pathology & Forensic Medicine Hall C
Chairperson: **R.W. Byard, Australia**
- 12:00-12:15 Histopathology of Thalamic and Hypothalamic Centers of Arousal in Sudden Infant Death (SID) Victims
G. Hayler, G. Stoltenburg-Didinger, F. van Landeghem, T. Bajanowski, Germany

- 12:15- 12:30 Hypoplasia Mono and Bilateral of the Medullary Arcuate Nucleus: a Pathological and Morphometric Study in SIDS
B. Biondo, L. Roncoroni, M.S. Cuttin, M.L. Repetti, L. Rossi, L. Mattwri, Italy
- 12:30 - 12:45 Morphometric Analysis in the Medullary Cardio-Respiratory Centers in SIDS
B. Biondo, M.S. Cuttin, L. Roncoroni, M.L. Repetti, L. Rossi, L. Matturri, Italy
- 12:45-13:00 Morphometric Analysis of the Phrenic Nerve and Diaphragm in Sudden Infant Death Syndrome (SIDS)
T. Ansari, P.D. Sibbons, C. V. Howard, UK, D. van Velzen, Canada

14:00 - 15:00 Plenary Session Hall A
Chairperson: A. Tal, Israel

- 14:00-14:30 Sleep Disordered Breathing in Infancy - Risk Factors
C. Guilleminault, USA
- 14:30 - 15:00 Cardiorespiratory Adaptation during Sleep: Post-natal Period
Cl. Galtier, France

15:00 - 16:30 Parallel Sessions

- 15:00 - 16:30 **Infection, Inflammation and the Immune System in SIDS** **Hall A**
Chairpersons: C. Blackwell, UK, J. Passwell, Israel
- 15:00-15:25 Infection, Inflammation, Sleep and SIDS
C. Blackwell, D. Weir, A. Busuttill, Scotland

15:25-15:50 Infection and SIDS, Including Microbiology's Results -
a 4 Years Experience
C. Rambaud, E. Briand, M. Guibert, M. Dehan,
France

15:50-16:15 Evidence of "Overreaction" to a Simple Infection in
SIDS
T.O. Rognum, A. Vege, S.H. Opdal, *Norway*

16:15-16:30 Discussion

15:00-16:30 The Neonate and Sudden Infant Hall B
Death

Chairpersons: **R.T. Brouillette, Canada**
A. Eidelman, Israel

15:00-15:20 Relationship between Immaturity and Sudden Infant
Death
J. Milerad, *Sweden*

15:20-15:40 Prenatal and Perinatal Risk Factors for SIDS
M. Vennemann, *Germany*

15:40 - 16:00 Discharge of the VLBW Preterm Infant: The Need for
Individual Program for SIDS Prevention
A. Eidelman, *Israel*

16:00-16:20 Understanding and Treating Apnea of Prematurity
(AOP)
C.F. Poets, *Germany*

16:20-16:30 Discussion

16:30-17:00 *Coffee Break*

- 18:00 - 18:15 Hyper-Releasibility of Mast Cells among Family Members of Babies Expired of Sudden Infant Death syndrome and among Babies Post Apparent life Threatening Events and their Families
Y. Gold, A. Goldberg, Y. Sivan, Israel
- 18:15-18:30 Position Dependent Perfusion of the Vertebrobasilar System in Premature Infants < 1750 gram
F. Eichler, T. Arif, M. Urschitz, O. Ipsiroglu, A. Pollak, Austria

10:50-11:10	Airways Stents <u>I. Vinograd, Israel</u>
11:10-11:30	Anatomo-Histological Findings in the Upper Airways of SIDS Victims <u>A. Shatz, B. Arensburg, J. Hiss, Israel</u>
11:30- 11:50	Upper Airway Air Pressure Readings in Infancy <u>S.L. Tonkin, New Zealand</u>
11:50-12:00	Discussion
10:30 - 12:00	<u>Management of Factitious Disorder by Proxy - Workshop</u> <u>Hall C</u> Chairperson: H. Zimrin, Israel
	Management of Factitious Disorder by Proxy - an Interactive Workshop <u>K. Bluglass, UK</u>
<u>12:00 - 13:00</u>	<u>Oral Presentations - Free Papers</u>
<u>12:00 - 13:00</u>	<u>Home Monitoring & Therapy (A)</u> <u>Hall A</u> Chairperson: G. Paret, Israel
12:00 - 12:15	Identifying Infants at Risk for Prolonged Bradycardia <u>A. Steinschneider, A. Curns, H. Shoemaker, USA</u>
12:15 - 12:30	Pulse Oximeters Reliability for Home Monitoring: Comparison between Nellcor N-200, N-3000 and Masimo Set <u>B. Bohnhorst, C.S. Peter, C.F. Poets, Germany</u>
12:30 - 12:45	Home Monitoring with Event Recording (Vita Guard 1000™) in 35 Infants <u>H. Kurz, R. Schafhauser, A. Mittnik, R. Neuteufl, W. Stogmann, Austria</u>
12:45 - 13:00	Monitoring and Counselling - Calming or Increasing Anxiety? <u>M. Tiefenthaler, H. Kurz, M. Urschitz, C. Popow, O. Ipsiroglu, A. Pollak, Austria</u>

12:00 - 13:00

Education

Hall B

Chairperson: A. Barkay, Israel

- 12:00 - 12:20 SIDS Policy in Israel: a Case for Action for the Ministry of Health
A. Leventhal, A. Barkay, J. Wasser, Israel
- 12:20 - 12:40 Women and Smoking
M. McDonnell, T. Matthews, M. Mehanni, Ireland
- 12:40-13:00 Project Link: A Strategy for Raising Awareness of Sudden Infant Death Syndrome (SIDS) and its Prevention
A. Jenik, J.M. Ceriani Cernadas, S. Cowan, Argentina
- 12:00 - 13:00 **Grief Support & Care** **Hall C**
Chairperson: M. Roskin, Israel
- 12:00 - 12:20 Application of Preventive Measures for Cot Death in Practice
E.C.M. van Rens-Leenaarts, K. Horstman, C. Thijs, The Netherlands
- 12:20 - 12:40 The Effect on Carers when a Baby Dies Suddenly and Unexpectedly
A. Deri-Bowen, UK
- 12:40 - 13:00 The Influence of Death on Children: Insights Obtained from Children Themselves
N. Harmey, M. McDonnell, B. Kiberd, M. Mehanni, Ireland
- 13:00-14:00 *Lunch*

Poster Board No.

- 1 Forensic Assessment of Alleged Factitious Illness
K. Bluglass, UK
- 2 Dioxin Concentrations in Cases of Sudden Infant Death in Germany
T. Bajanowski, P. Furst, K. Wilmers, H. Kohler, B. Brinkmann, Germany
- 3 An Evaluation of Two Different Methods to Recruit Controls for the Sudden Infant Death SIDS Multi-Center Pilot Study in Germany 1996-1997
M. Findeisen, M.M.T. Vennemann, B.Brinkmann, E. Mueller, G. Jorch, Germany
- 4 Survey of Precedents Relating to Sudden Infant Death Syndrome in Japan Utilizing Judicial Precedent Databases
T. Sawasuchi, H. Kato, H. Nishida, A. Sawaguchi, Japan
- 5 Investigation of Axonal Tracts within the Central Nervous System in Sudden Infant Death Syndrome (SIDS) Infants
T. Ansari, P. Sibbons, M. Rossi, J. Broome, UK, D. van Velzen, Canada
- 6 Analysis of Cardiovascular and Respiratory Nuclei in Sudden Infant Death Syndrome (SIDS) Infants
T. Ansari, M. Rossi, P. Sibbons, UK
- 7 Stereological Analysis of the Neocortex with Respect to Total Neuronal Number and Mean Nuclear Volume in Sudden Infant Death Syndrome (SIDS)
T. Ansari, P.D. Sibbons, C. V. Howard, UK, D. van Velzen, Canada
- 8 Sudden and Unexpected Death in Preterm and Very Low Birth weight Infants in the Netherlands
M.J.K. de Kleine, G.A. de Jonge, H. Wierenga, The Netherlands
- 9 Design of a Multi Center Study of Sudden Infant Death Syndrome in Germany 1998-2002
M.M.T. Vennemann, M. Findeisen, B. Brinkmann, G. Jorch, Germany

Poster Board No.

- 10 High Risk Groups for Sudden Infant Death Syndrome in Israel
N. Rotem, R. Rivlis, P. Zadka, Israel
- 11 Relationship between the Decrease of Infant Mortality and SIDS Incidence in Styria (Austria)
R. Kurz, R. Kerbl, Austria
- 12 Moving on from Risk Factors
C. Everard, D. Tipene-Leach, New Zealand
- 13 Prevention of SIDS in Conditions of Slovak Republic and our Positive Results
M. Kuchta, J. Jura, Z. Tomori, V. Donic, N. Kuchtova, O. Hamidova, Slovak Republic
- 14 Prone Position and Sudden Infant Death: Are Progress Still Possible?
P. Monin, F. Feillet, S. Cavare-Vigneron, A. Borsa-Dorion, France
- 15 Efficacy of Secondary (Para) Medical Intervention on Changing Sleeping Position
P. Alliet, P. Aerssens, P. Gillis, G. Massa, A. Zunmermann, M. Raes, Belgium
- 16 Sleep Position, Smoking and Breast Feeding: Results of the International Child Care Practice Survey
B.J. Taylor, E.A.S. Nelson, ICCPS Study Group
- 17 Lower Prevalence of Risk Factors for SIDS in East German Compared to West German Parents
M. Schlaud, W.J. Kleemann, C.F. Poets, B. Trumann, K.W. Tietze, Germany
- 18 Questionnaire-Based Study of SIDS Risk Factors in Healthy Infants
K. Toro, Z. Csukas, L. Toth, P. Sotonyi, Hungary
- 19 Maturation Delay of Hypercapnic Ventilatory Response in Cocaine Exposed Rat Pups
S.M. Scharf, C. Graham, H. Greenberg, A.L. Sica, A. Tempel, USA
- 20 Substitutions in Mitochondrial (MT) DNA D-Loop in SIDS are Due to Inheritance - Not to Somatic Mutations
M. Arnestad, S.H. Opdal, H. Torgersen, A. Vege, T.O. Rognum, Norway

Poster Board No

- 21 The Effect of Maternal Smoking During Pregnancy on Respiratory Responses to Changes in Inspired Levels of Oxygen in Infancy
K.A. Poole, C.S Beardsmore, H. Hallinan, J.R. Thompson, UK
- 22 Buckling of the Brachiocephalic Arteries in Babies and its Possible Association with Sudden Infant Death
A. Brand, E. Kerem, S. Dollberg, Y. Armon, A. Keren, Israel
- 23 The Application of Dietary Management of Regurgitation and GER in Infants
I.Y. Kon, T.N. Sorvacheva, E.V. Khorosheva, V.I. Kurkova, Russia
- 24 A 5-Year Prospective Study to Evaluate the Effects of Position on Gastro-Oesophageal Reflux (GOR) in Infants
T. Mahler, A. Bochner, M. Van Caillie-Bertrand, Belgium

14:00 - 15:00 **Plenary Session** **Hall A**
Chairperson: **L.M. Irgens, Norway**

SIDS - Risk Factors and Prevention
E.A. Mitchell, New Zealand

15:00 - 16:30 **Parallel Sessions**

15:00- 16:30 **Pathophysiology: Cardiac and**
Conductive System Factors **Hall A**

Chairpersons: **M. Stramba-Badiale, Italy**
S. Akselrod, Israel

15:00-15:25 Cardiac Patterns and Cardiovascular Failure in SIDS
and in Infants at Increased Risk for SIDS
R.M. Harper, USA

15:25-15:50 Non-Arrhythmogenic Cardiac Causes in SIDS
E. Krongrad, USA

15:50-16:15 QT Interval Prolongation and the Sudden Infant Death
Syndrome
M. Stramba-Badiale, Italy

16:15-16:30 Discussion

15:00- 16:30 **The Environment and Risk Factors**
for SIDS **Hall B**

Chairpersons: **J. Groswasser, Belgium**
E. Kerem, Israel

15:00-15:25 Environmental Factors and Risk for SIDS
Cl Gaultier, France

15:25-15:50 The Combined Roles of Immaturity, Infections and
Environment: a Model for SIDS
J. Groswasser, P. Franco, S. Scaillet, A. Kahn,
Belgium

15:50-16:15 SID, SIDS and Infant Mortality: Interactions and
Relationships to Genetic and Environmental Risks
C.E. Hunt, USA

16:15-16:30	Discussion
15:00-16:30	Grief following Loss of an Infant: <u>Adaptation and Intervention</u> Hall C
	Chairpersons: R. Lichtentrat, Israel, E. Einat, Israel
15:00-15:25	Mourning the Future: Potential Grief and Mourning Trajectories following SIDS Loss <u>S.S. Rubin, Israel</u>
15:25-15:50	Family Counselling following the Death of a Child <u>A. Garith, France</u>
15:50-16:15	Grief Intervention following SIDS: Is Help always Helpful? <u>R Malkinson, Israel</u>
16:15-16:30	Discussion
16:30-17:00	<i>Coffee Break</i>
17:00 - 18:30	Oral Presentations - Free Papers
<u>17:00 - 18:15</u>	<u>Home Monitoring & Therapy (B)</u> Hall A
	Chairpersons: R.T. Brouillette, Canada F. Mimouni, Israel
17:00-17:15	The Need for Additional Inspired Oxygen <u>M.P. Samuels, UK</u>
17:15 - 17:30	Prescription of Home oxygen Therapy to Infants in Germany <u>C.S. Peter, C.F. Poets, Germany</u>
17:30-17:45	When do Infants Need Additional Inspired Oxygen? A review of Current Literature <u>C.F. Poets, Germany</u>
17:45 - 18:00	Length of Home Monitoring for Infants Discharged with Apnea of Prematurity <u>R. Tauman. Y. Sivan. Israel</u>

18:00-18:15 What does Taxonomy Profile for Alte Infants Predict?
D. Neubauer, T. Mlanic, U. Weber, Slovenia

17:00-18:15 **Epidemiology & Risk Factors (B)** **Hall C**
Chairpersons: **H. Nishida, Japan, M. Green, Israel**

17:00 -17:15 Maternal Smoking and Alcohol Consumption During
Pregnancy is Associated with Diminished Heart Rate
Responses to Tilting in Newborn Infants
M.M. Myers, W. P. Fifer, S. Ten Fingers,
M. Youngman, J.A. Lehner, A. Hurtado, K. Smith,
A. Tsairis, USA

17:15-17:30 Current Status of SIDS Prevention Activity in Japan
H. Nishida, T. Sawaguchi, S. Fukui, Japan

17:30 - 17:45 Co-Sleeping and Prone Sleeping in Eastern Norway
1984-1998
M. Arnestad, M. Andersen, A. Vege, T.O. Rognum,
Norway

17:45-18:00 Environmental Factors During Sleep in Infants of
Romania
V. Hurgoiu, I. Hurgoiu, Romania

18:00 - 18:15 Care of Next Infant (Coni) Programme - 5000 Babies
A.J. Waite, UK

17:00 - 18:30 **Pathophysiology (B)** **Hall B**
Chairperson: **C.E. Hunt, USA**

17:00 - 17:15 Neuronal Apoptosis in Watershed Areas in SIDS
Victims: Evidence for Hypotensive Episodes Before
Death?
A. Cole, K. Water, B. Meehan, Canada

17:15-17:30 Effects of Social Deprivation Upon the Physiological
Development of Infants
S.A. Petersen, D. Joseph, E.S. Anderson, A. Jackson,
J. Westaway, M.P. Wailoo, UK

- 17:30-17:45 The Morphology of Periodic Breathing According to Postnatal Development
Z. Weintraub, Israel, D. Cates, K. Kwiatkowski, K. Al-Hathlol, A. Hussain, H. Rigatto, Canada
- 17:45-18:00 The Effect of Cold Stimulation to the Trigeminal Area on the Metabolic Rate of the Febrile Piglet
L.J. Voss, B.C. Galland, D,P.G. Bolton, B.J. Taylor, New Zealand
- 18:00-18:15 Two Alternative Pathways Leading to SID Events
R. Kerbl, P. Roll, R. Kurz, Austria

Wednesday, June 2, 1999

08:30 - 09:00 Plenary Session Hall A

Chairperson: **Y. Sivan, Israel**
Cardiorespiratory Events Recorded in the Home
Insights from the CHIME Study
C.E. Hunt, M.J. Corwin. USA

09:00 - 10:00 Panel Discussion - Home Monitoring Hall A

Chairperson: **C.F. Poets, Germany**

09:00-09:40

The Changing Face of Home Cardiorespiratory
Monitoring - A Ten Year Experience
A. Cote, Canada

Report from the Consensus Conference on Indications
for Infantile Home Monitoring
D Gozal. USA

Which Monitor?
M.P. Samuels. UK

Potential Clinical Applications of the CHIME Home
Monitoring Memory Monitor
C.E. Hunt, USA

09:40 - 10:00

Panel Discussion

10:00-10:30

Coffee Break

10:30 - 12:00 Parallel Sessions

**10:30 - 12:00 Molecular Biology and Animal
Models Hall A**

Chairpersons: **C.E. Hunt, USA**
S. Avishai-Eliner, Israel

10:30 - 10:50

Models of Early Disturbances of Respiratory Control:
Usefulness of Knockout Mice
Cl. Gaultier, France

- 10:50-11:10 Physiology of Autoresuscitation - Animal Model
B.T. Thach, USA
- 11:10-11:30 Fast Development Changes in Sedative Peptides and their Receptors in Infant Brain. Methods of Measurement. Possible Implications in Sudden Infant Death
D. Jordan, F. Chevallier, C. DalFarra, F. Praff, M. Buser, N. Zsurger, V. Le Cam-Duchez, J-P. Vincent N. Kopp, A. Coquerel, C. Rambaud, France
- 11:30-11:50 Developmental Characteristics of Anoxia-Induced Gasping in the Rat
D. Gozal, USA

10:30 - 12:00

Pathophysiology: The Central Nervous System in SIDS

Hall B

Chairpersons: **K.H.P. Bentele, Germany**
E. Tirosh, Israel

- 10:30- 10:50 Developmental Outcome in Idiopathic ALTE
E. Tirosh, Israel
- 10:50- 11:10 Neuropathological Aspects in Sudden Infant Death
K.H.P. Bentele, Germany
- 11:10- 11:30 Potential Neural Mechanisms Leading to Failure in SIDS
R.M. Harper, USA
- 11:30- 11:50 Neurology of Airway Occlusion Related Defense Mechanisms and Arousal in Infants
H. Wulbrand, Germany
- 11:50- 12:00 Discussion

12:00 - 13:00

Plenary Session

Hall A

Chairperson: R.M. Harper, USA

Autonomic Nervous System in ALTE and SIDS: Is
Confluent Vulnerability during Development a valid
Unifying Hypothesis?

D. Gozal, R.M. Harper, USA

13:00-14:15

Lunch

14:30

Tour to Jerusalem

Thursday, June 3, 1999

08:30 - 10:00 Plenary Session Hall A

Chairperson: **Cl. Gaultier, France**

08:30-09:10 Control of Breathing - Arousal Mechanisms in Infant
B.T. Thach, USA

09:10-09:50 The Role of Arousability in SIDS
P. Franco, A. Kahn, J. Groswasser, S. Scaillet, M. Sottiaux, T. Simon, Belgium

09:50 -10:00 Discussion

10:00 - 10:30 *Coffee Break*

10:30 - 12:00 Parallel Sessions

10:30 - 12:00 Evaluation and Treatment of the Infantile Upper Airways Hall A

Chairpersons: **A.B. Seid, USA, D.M. Fliss, Israel**

This Session is sponsored by KARL STORTZ Endoscopy GMBH

10:30 - 10:50 Evaluation of the Obstructed Upper Airway
L.J. Hoeve, The Netherlands

10:50-11:10 The Dynamic Infant Airway
P. Froehlich, France

11:10-11:30 Treatment of Airway Abnormalities in Infants with Stridor
A.B. Seid, USA

11:30-11:50 Three Dimensionnal CT of the Airway in SIDS
C Ramboud, France

11:50 -12:00 Discussion

10:30-12:00 **The Role of Polysomnography in Life
Threatening Episodes and High Risk
Infants** **Hall B**

Chairpersons: **A. Cote, Canada, A. Tal, Israel**

**The session is sponsored by SensorMedics & MB
Innovative Medical Technology Ltd**

- 10:30- 11:55 Pediatric Polysomnography: Who needs it?
R.T. Brouillette, Canada
- 10:55-11:20 Polysomnography Evaluation of Respiratory Related
Breathing Disorders in Infants
A. Tarasiuk, Israel
- 11:20 - 11:45 Pitfalls in Infantile Polysomnography
Y. Sivan, Israel
- 11:45 - 12:00 Discussion

10:30 - 12:00 **Oral Presentations - Free Papers**

10:30-12:00 **Psychological Aspects of Infants
at Risk** **Hall C**

Chairperson: **Y. Kadman, Israel**

- 10:30-10:45 Parent Views of a Research Study
**R.M. Hayman, B.J. Taylor, N. Peart, B.C. Galland,
R.M. Sayers, New Zealand**
- 10:45-11:00 The Psychological Impact of an ALTE (Apparently
Life Threatening Event) in Infancy Upon Parents: a
Qualitative Approach
P. Nicolson, A. Waite, UK
- 11:00-11:15 SIDS-Related Anxiety - an Analysis of Risk and
Personality Factors
**M. Tiefenthaler, H. Leitich, M. Walter, P. Vitouch,
C. Popow, O. Ipsiroglu, A. Pollak, Austria**

- 11:15-11:30 Home Monitoring of Hispanic Immigrant Families: a Comparison of Exit Interview Responses Between More and Less Adherent Families
P. Palmer, M. Vasquez, E. Valdovinos, A. Banda, L. Kunzman, M. J. Corwin, T. Hoppenbrouwers, CHIME Study Group, USA
- 11:30-11:45 Assessment of 72 Mothers in Alleged Factitious Illness Syndrome (FIS/FIP, MSBP)
K. Bluglass, UK
- 11:45-12:00 Maternal Perceptions on Cigarette Smoking and Solutions for Change- a Comparative Study
E.S. Anderson, A. Jackson, M.P. Wailoo, S.A Petersen, UK

12:00 - 13:00 Oral Presentations - Free Papers

12:00-13:00 Pathophysiology (C) Hall A
Chairperson: ***E.Tabachnik, Israel***

- 12:00 - 12:15 Autonomic Nervous System and Arousability: Implications in Sudden Infant Death Syndrome
P. Franco, H. Szliwowski, J. Groswasser, A. Kahn, Belgium
- 12:15-12:30 Potential Contributions of NMDA and AMPA Glutamate Receptors to the Developmental Pattern of Hypoxic Ventilatory Response in the Rat.
D. Gozal, P.J. Ohtake, N. Simakajornboon, G. M. Whitney, Y-D. Xue, USA
- 12:30 - 12:45 Changes in Cerebral Blood Volume and Cerebral Oxygenation During Periodic Breathing
R Urlesberger, G. Pichler, R. Kerbl, F. Reiterer, W. Muller, Austria
- 12:45-13:00 Altered Breathing Pattern and Tachycardia in Young Lambs Exposed to Nicotine Prenatally
H.W. Sundell, O. Hafstrom, P.A. Minton, S. Polle, J. Milerad, Sweden

12:00 - 13:00 Sleep Habits & Position Hall B

Chairperson: **M. Aviram, Israel**

- 12:00-12:15 Recent Change to Prone Sleeping in Sudden Infant Death Syndrome Victims
A. Cote, T. Lirette, R.T. Brouillette, S. Laphlante, Canada
- 12:15 - 12:30 Compliance with Supine Sleep Recommendations: Results of a Five-Year Study of the Jerusalem Population
I. Kleinfeld Mansbach, A. I. Eidelman, H. Sgan-Cohen, Y. Avner, A. Reisen, Israel
- 12:30 - 12:45 Head Turning and Face-Down Positioning in Prone-Sleeping Premature Infants
E. Constantin* , KA. Waters , A. Morielli* , R.T. Brouillette* Canada* , Australia****
- 12:45 - 13:00 The Investigation of Sudden Infant Death Syndrome in Maryland Evaluation of Sleeping Position as a Risk Factor in SIDS Deaths
L. Li, J.E. Smialek. USA

12:00-13:00 Intervention following Death Hall C

Chairperson: **I. Oron, Israel**

- 12:00-12:20 The Positive Benefits of Offering a Grief Programme Involving Residential Weekends to Parents Following a Bereavement
N. Harmey, M. McDonnell, M. Synott, G. O'Brien, Ireland
- 12:20-12:40 Care and Support after Sudden, Unexpected Death
D. Nordanger, K. Dyregrov, A. Dyregrov, Norway
- 12:40-13:00 The Benefits of a National Model of Care for Professionals who Deal with Sudden Infant Death
M. McDonnell, B. Kiberd, M. Mehanni, A. Cullen, T. Matthews, Ireland
- 13:00-14:00 *Lunch*

13:00 – 14:00

Poster Presentations

Foyer

Poster Board No.

- 1 Bradycardias on Home Monitoring as a First Sign of Intracranial Hypertension
H. Daniels, G. Naulaers, P. Casaer, H. Devlieger, Belgium
- 2 Apneas on Polysomnography as a First Sign for RSV-Bronchiolitis
G. Naulaers, M. Rayyan, K. Debaene, H. Daniels, F. Deroost, H. Devlieger, Belgium
- 3 The Recording of Respiration with PVDF/ETMF-Polymer Detector in Premature Babies Suffering from Breathing Disorders
J. Siivola, J. Heino, K. Leinonen, K. Moilanen, P. Varimo, Finland
- 4 Cost Benefit of Home Apnoe-Monitoring in Children with ALTE
M. Kuchta, J. Jura, Slovak Republic
- 5 Reflectance Pulse Oximetry (RPO): a New Tool for Continuous Measurement of Heart Rate and Oxygen Saturation
A. I. Eidelman, Y. Saroussi, I. Y. Shemesh, Israel
- 6 Mitochondrial DNA Point Mutaitons Detected in Four Cases of the Sudden Infant Death Syndrome
S.H. Opdal, Norway
- 7 Autonomic Responses in Infants who have had an Apparent Life Threatening Event (ALTE) or Gastro-Oesophageal Reflux (GOR)
R.M. Hayman, B.J. Taylor, B.C. Galland, R.M. Sayers, D.P.G. Bolton, New Zealand
- 8 Apnea and Neuronal Apoptosis in the Arousal Pathway
T. Sawaguchi,, H. Kadhim, P. Franco, J. Groswasser, I.Kato, M. Sottiaux, H. Togari, N. Nishida, A. Sawaguchi,, A. Kahn, Belgium & Japan
- 9 Hypoxanthin (Hx)/ Creatinine Ratio in Urine: a Necessary Parameter when Diagnosing Apparent Life Threatening Event
M. Andersen, A.M. Musse, B. Teige, Y. Chen, T.O. Rognum, Norway

Poster Board No

- 10 Sleep and Laryngomalacia
P. Attal, H. Trang, CL Gauttier, S. Bobin, France
- 11 WHO/GSTF Maternity Advice Study
E.A.S. Nelson, China, S. Cowan, New Zealand, V. Mangiaterra, Denmark, M.L. Cafferata, Uruguay
- 12 Knowledge of Parents about SIDS Risk Factors and Prevention Measures
M. Alexander, C. Corvilain, Belgium
- 13 The Role of Neonatologist to Elaborate an Informative Program for Nurses and Parents
D. Cosso, Italy
- 14 First Nation-Wide Infoline on Sudden Infant Death in Germany - Instrument of Prevention?
H. Stute, F. Scheffer, M. Stoiber, M. Frenzel, O. Linderkamp, Germany
- 15 First Observations Concerning a Family Oriented SIDS Prevention Program in Hungary
I.Szanto, G. Harmat, E. Barko, K. Toro, Hungary
- 16 Influence of Dummy on Infants' Sleep Arousability
P. Franco, S. Scaillet, V. Wermemboel, H. Szliwowski, A. Kahn, Belgium
- 17 Infant Polysomnography: Arousal Identification and Scoring Reliability
D. Crowell, T. Kulp, L. Kapuniaai, C. Hunt, T. Hoppenbrouwers, L. Brooks, L. Tinsley, J. Silvestri, S. Davidson Ward, M. Corwin, H. Golub, M. Peucker, G. Lister, M. Willinger, The CHIME Study Group, USA
- 18 Microbiological Agents and their Toxin Producing Activity in SIDS Cases in Hungary
Z. Csukas, F. Rozgonyi, K. Toro, L. Jankovics, Hungary

Poster Board No.

19 A New Criterion of Classification on Sudden Infant Death (SID)
Cases of Japan SIDS Research Society
***A. Kouno, M. Nakayama, H. Togari, H. Kitajima, I. Kato,
R. Miwta, T. Yokoi, M. Yoshinaga, N. Niitsu, T. Yamanaka,
Y. Bunai, S. Takashima, E. Okaazaki, T. Mito, Y. Obonai,
M. Funayama, Y. Aoki, K. Saito, A. Hamamatsu, M. Nishimura,
S. Nakagawa, H. Nishida, R. Matoba, A. Sawaguchi, A. Takada,
Japan***

**14:00 - 15:00 Panel Discussion - Religious Legal
and Ethical Aspects in SIDS Hall A**
Chairperson: **M. Schimmel, Israel**

14:00 - 14:40 The Legal Status of Post Mortum Examination in Israel
A. A. Carmi, Israel

The Islamic Approach to Sudden Infant Death:
Bereavement and Autopsy
Kadi Z. Asilla, Israel

The Christian Church Approach to Sudden Infant
Death: Bereavement and Autopsy
Father M. Dubois, Israel

The Jewish Approach to Sudden Infant Death:
Bereavement and Autopsy
A. Steinberg, Israel

14:40-15:00 Discussion

15:00 - 16:30 Parallel Sessions

**15:00 - 16:30 Obstructive Sleep Apnea in ALTE
and SIDS Hall A**
Chairpersons: **J. Milerad, Sweden, Y. Sivan, Israel**

15:00-15:25 Sleep Disordered Breathing: Familial Association
C. Guilleminault, USA

- 15:25-15:50 Obstructive Sleep Apnea and SIDS
*A. Kahn, J. Groswasser, P. Franco, S. Scaillet,
M. Sottiaux, T. Simon, Belgium*
- 15:50-16:15 The Obstructive Sleep Apnea Syndrome in Infants and
Children
C.F. Poets, Germany
- 16:15 – 16:30 Discussion
- 15:00 - 16:30** **Education in the Community** **HallB**
Chairperson: **E.A.S. Nelson, China**
- 15:00-15:25 Protective Infant Care Practices and Education in the
Community
E.A.S. Nelson. China
- 15:25 - 15:50 Has the Time Passed When We Can Just Tell Parents
What to Do? The second wave of Reduce the Risk
J. Epstein, UK
- 15:50 - 16:15 A Health Professional's Guide to Sudden Unexpected
Infant Death
R. A. Franciosi, USA
- 16:15 – 16:30 Discussion
- 15:00-16:30** **SIDS - Risk Factors:**
Psychological Perspectives **Hall C**
Chairperson: **R. Malkinson, Israel**
- Death of a Child: Images through the Arts
S. Bertman. USA, K. Bluglass, UK
- 16:30 - 17:00 *Coffee Break*

17:00-18:00 Closing Session and ESPID Award Hall A

Chairpersons: **K.H.P. Bentele, Germany**
Y. Sivan, Israel

**The senior researcher award will be
Presented to:**

Robert G. Carpenter, UK

**The award for the best selected oral
presentation, will be announced and
presented**

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