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 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
E-mail: congress@inter.net.il
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Dear Colleagues,

It is my great pleasure to welcome you to the 8th 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 Committee**  
Anat Shatz - Co-Chair, Yakov Sivan - Co-Chair  
Eitan Kerem- Ruth Malkinson

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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.
P.O-Box 1931, Ramat Gan 52118, Israel
Tel: +972-3-6133340, Fax: +972-3-6133341
e-mail: congress@inter.net.il
World Wide Web: http://www.congress.co.il
SOCIAL EVENTS

Sunday, May 30, 1999

19:15-20:45  *Get-Together reception*
Hall A, Crowne Plaza hotel  
Dress: Casual

Tuesday, June 1, 1999

09:30 - 17:00  *Accompanying persons tour.*
Tour will depart from the Crowne Plaza lobby at 09:30 am  
and will approximately return at 17:00.

19:15-23:00  *Gala Evening (Optional)*
The Gala evening will include: visit to the Israel Museum  
with its Shrine of the Book and the Dead Sea scrolls.  
The archeological pavilion and the art exhibition. Ending  
with Mediterranean style dinner with light classical music.  
Participants and accompanying persons who registered for  
the Gala evening are asked to gather in the lobby of the  
Crowne Plaza Hotel at 19:00. Busses will depart at 19:15.  
Participants who would like to register for the gala  
evening are asked to approach the registration desk and  
register no later than Monday, May 31, at 10:30 am.  
Dress: Casual, warm jacket recommended.  
Price -$ 45 per person

Wednesday, June 2, 1999

14:30-20:30  *Tour to Jerusalem*
Participants are asked to gather at 14:20 in the lobby of  
the Crowne Plaza hotel. On the way back, busses will stop  
at three locations: Four Points Paradise hotel, Park Plaza  
hotel and the Crowne Plaza hotel

*Israel Festival*
Reduced fare tickets to the Israel Festival can be  
purchased at the various venues with the presentation of  
the conference nametag. Please see the Festival Program  
in your conference bag.
SCIENTIFIC PROGRAM
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. Grosowski, 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

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<td>10:30-10:55</td>
<td>Gastro-Oesophageal Reflux and ALTE</td>
<td>J. Grosswasser, M. Scaillon, S. Cadranel, A. Kahn, Belgium</td>
<td>Hall B</td>
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<td>11:20-11:45</td>
<td>Gastroesophageal Reflux: State of the Art</td>
<td>D. Branski, J. Faber, Israel</td>
<td>Hall B</td>
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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

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<td>12:00 - 12:15</td>
<td>The Prevalence of Central Apnea in High Risk SIDS Infants</td>
<td>A. Curns, A. Steinschneider, H. Shoemake, USA</td>
<td>Hall A</td>
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<td>12:15-12:30</td>
<td>Infantile Central Sleep Apnea - Improvement with Acetazolamide</td>
<td>H. Philippi G. Kutschke, S. Kolb, B. Reitter, Germany</td>
<td>Hall A</td>
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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. Matturri, 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
C. 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. Busuttil, Scotland
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| 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 Death**
Hall B
Chairpersons: **R.T. Brouillette, Canada**  
**A. Eidelman, Israel**

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| 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 |
### Oral Presentations - Free Papers

#### 17:00-18:30 Epidemiology  
**Chairperson:** R.A. Francosi, USA

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<td>Sudden Infant Death Syndrome (SIDS). A Designated Diagnosis</td>
<td><strong>R. A. Francosi, USA</strong></td>
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<td>17:15-17:30</td>
<td>Infant Sleep Positioning Practices and SIDS in Israel</td>
<td><strong>J. Wasser, A. Barkay, A. Leventhal, Israel</strong></td>
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<td>17:45-18:00</td>
<td>Ethnicity and SIDS in Slovakia</td>
<td><strong>J. Jura, V. Clear, M. Kuchta, Slovakia</strong></td>
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<td>18:00-18:15</td>
<td>Ireland's Knowledge of Sudden Infant Death Syndrome</td>
<td><strong>T. Matthews, M. McDonnell, M. Mehani, M. O'Regan, B. Kiberd, Ireland</strong></td>
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<td>18:15-18:30</td>
<td>Sudden Infant Death Syndrome in South Carolina, U.S.A</td>
<td><strong>S. Epstein Conradi, USA</strong></td>
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#### 17:00-18:30 PSG& Upper Airways  
**Chairperson:** T. Schonfeld, Israel

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<td>The Role of Laryngopharyngeal Sensory Stimulation (LPSS) Testing of the Larynx in Infants with Apnea and Upper Airway Obstruction</td>
<td><strong>D.T. Link, J.P Willging, C.D. Rudolph, R.T. Cotton, USA</strong></td>
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<td>17:15-17:30</td>
<td>Nocturnal Pulse Oximetry as an Abbreviated Testing Modality for Pediatric Obstructive Sleep Apnea (OSA).</td>
<td><strong>R.T. Brouillette, A. Morielli, A. Leimanis, K.A. Waters, R. Luciano, F.M. Ducharme, Canada</strong></td>
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17:30 - 17:45 Capnography for Polygraphic Recordings in Pediatric Patients: Less Artifacts and Additional Information
R. Kerbl, A. Pfleger, R. Kurz, Austria

17:45 - 18:00 The Role of Video-Fluoroscopy in the Management of Feeding and Breathing Disorders in Infants with Cleft Palate and Craniofacial Anomalies

18:00 - 18:15 Oxygenation and Breathing Pattern in Healthy Term Infants During Sleep
E. Horemuzova, M. Katz-Salamon, J. Milerad, Sweden

18:15 - 18:30 Surgical Management of Laryngotracheal Stenosis
D.M. Kaplan, A. Leiberman, A. Tal, A. Niv, D.M Fliss, Israel

17:00 - 18:30 Pathophysiology (A) Hall C
Chairperson: B.T. Thach, USA

17:00 - 17:15 Complexity of Respiration in Healthy and at-Risk Infants
A. Palzak, R. Mrowka, B. Schluter, E. Trowitzsch, Germany

17:15 - 17:30 Ventilatory Sensitivity and Arousal Responses to Mild Asphyxia in Infants Sleeping Prone and Supine

17:30 - 17:45 Ventilatory Responses in Infants who have had Apparent Life Threatening Events (ALTE) or Gastro-Oesophageal Reflux (GOR)

17:45 - 18:00 Maturation of Respiratory Control in Infants
C.S. Beardsmore, J. Westaway, K. Poole, J.R. Thompson, UK
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
    E. Eichler, T. Arif, M. Urschitz, O. Ipsiroglu, A. Pollak, Austria
Tuesday, June 1, 1999

08:30 - 10:00  **Plenary Session**  
**Hall A**
Chairperson: R. Malkinson, Israel

08:30-09:10  Pathophysiology: Infant Abuse and Psychological Aspects  
*M.P. Samuels, UK*

09:10-09:50  Factitious Disorder by Proxy - Whose Problem is it?  
*D. Glaser, UK*

09:50-10:00  Discussion

10:00-10:30  Coffee Break

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

10:30 - 12:00  **Congenital Central Hypoventilation Syndromes**  
**Hall A**
Chairpersons: D. Gozal, USA, T. Schonfeld, Israel

10:30-11:10  Potential Mechanisms of Failure in SIDS as Revealed by Neural Imaging of Controls and CCHS Patients  
*R.M. Harper, M.M. Saeed, D. Spriggs, M.A. Woo, M.S. Woo, T.G. Keens, D. Gozal, J.R. Alger, USA*

11:10-11:50  Congenital Central Hypoventilation Syndrome  
*C. Gaultier, France*

11:50-12:00  Discussion

10:30 - 12:00  **The Upper Airways in Infancy: Form and Function**  
**Hall B**
Chairpersons: J.P. Willging, USA, C. Springer, Israel

This session is sponsored by KARL STORTZ Endoscopy GMBH

10:30-10:50  Sleep Disordered Breathing in Infants and Craniofacial Development  
*C. Guilleminault, USA*
10:50-11:10 Airways Stents

_I. Vinograd, Israel_

11:10-11:30 Anatomo-Histological Findings in the Upper Airways of SIDS Victims

_A. Shatz, B. Arensburg, J. Hiss, Israel_

11:30-11:50 Upper Airway Air Pressure Readings in Infancy

_S.L. Tonkin, New Zealand_

11:50-12:00 Discussion

10:30 - 12:00 **Management of Factitious Disorder by Proxy - Workshop** Hall C

Chairperson: H. Zimrin, Israel

Management of Factitious Disorder by Proxy - an Interactive Workshop

_K. Bluglass, UK_

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

12:00 - 13:00 **Home Monitoring & Therapy (A)** Hall A

Chairperson: G. Paret, Israel

12:00 - 12:15 Identifying Infants at Risk for Prolonged Bradycardia

_A. Steinschneider, A. Curns, H. Shoemaker, USA_

12:15 - 12:30 Pulse Oximeters Reliability for Home Monitoring: Comparison between Nellcor N-200, N-3000 and Masimo Set

_B. Bohnhorst, C.S. Peter, C.F. Poets, Germany_

12:30 - 12:45 Home Monitoring with Event Recording (Vita Guard 1000™) in 35 Infants

_H. Kurz, R. Schafhauser, A. Mittnik, R. Neuteufl, W. Stogmann, Austria_

12:45 - 13:00 Monitoring and Counselling - Calming or Increasing Anxiety?

_M. Tiefenthaler, H. Kurz, M. Urschitz, C. Popow, O. Ipsioglu, A. Pollak, Austria_
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
13:00 - 14:00 Poster Presentations

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**
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,
0. 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. Arnested, S.H, Opdal, H. Torgersen, A. Vege, T.O. Rognum,
Norway
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**  
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**  
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**  
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: Adaptation and Intervention Hall C
Chairpersons: R. Lichtentrat, Israel, E. Einat, Israel

15:00-15:25 Mourning the Future: Potential Grief and Mourning Trajectories following SIDS Loss
S.S. Rubin, Israel

15:25-15:50 Family Counselling following the Death of a Child
A. Garith, France

15:50-16:15 Grief Intervention following SIDS: Is Help always Helpful?
R Malkinson, Israel

16:15-16:30 Discussion

16:30-17:00 Coffee Break

17:00 - 18:30 Oral Presentations - Free Papers

17:00 - 18:15 Home Monitoring & Therapy (B) Hall A
Chairpersons: R.T. Brouillette, Canada
F. Mimouni, Israel

17:00-17:15 The Need for Additional Inspired Oxygen
M.P. Samuels, UK

17:15 - 17:30 Prescription of Home oxygen Therapy to Infants in Germany
C.S. Peter, C.F. Poets, Germany

17:30-17:45 When do Infants Need Additional Inspired Oxygen? A review of Current Literature
C.F. Poets, Germany

17:45 - 18:00 Length of Home Monitoring for Infants Discharged with Apnea of Prematurity
R. Tauman, Y. Sivan, Israel
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**
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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Authors</th>
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<tbody>
<tr>
<td>17:45-18:00</td>
<td>The Effect of Cold Stimulation to the Trigeminal Area on the Metabolic Rate of the Febrile Piglet</td>
<td>L.J. Voss, B.C. Galland, D.P.G. Bolton, B.J. Taylor, New Zealand</td>
</tr>
<tr>
<td>18:00-18:15</td>
<td>Two Alternative Pathways Leading to SID Events</td>
<td>R. Kerbl, P. Roll, R. Kurz, Austria</td>
</tr>
</tbody>
</table>
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  
*C. Gaultier, France*
10:50-11:10 Physiology of Autoresuscitation - Animal Model
*B.T. Thach, USA*

*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

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 Neuropatological Aspects in Sudden Infant Death
*K.H.P. Bentele, Germany*

11:10- 11:30 Potential Neural Mechanisms Leading to Failure of 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

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<tr>
<th>Time</th>
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<th>Chairperson</th>
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<tr>
<td>08:30 - 10:00</td>
<td><strong>Plenary Session</strong></td>
<td>Cl. Gaultier, France</td>
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<tr>
<td>08:30-09:10</td>
<td>Control of Breathing - Arousal Mechanisms in Infant</td>
<td>B.T. Thach, USA</td>
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<td>09:10-09:50</td>
<td>The Role of Arousability in SIDS</td>
<td>P. Franco, A. Kahn, J. Grosawasser, S. Scaillet, M. Sottiaux, T. Simon, Belgium</td>
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<td>09:50 -10:00</td>
<td>Discussion</td>
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<td>10:00 - 10:30</td>
<td>Coffee Break</td>
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<tr>
<th>Time</th>
<th>Parallel Sessions</th>
<th>Hall A</th>
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<tbody>
<tr>
<td>10:30 - 12:00</td>
<td><strong>Evaluation and Treatment of the Infantile Upper Airways</strong></td>
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<tr>
<td>10:30 - 10:50</td>
<td>Evaluation of the Obstructed Upper Airway</td>
<td>A.B. Seid, USA, D.M. Fliss, Israel</td>
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<td>10:50-11:10</td>
<td>The Dynamic Infant Airway</td>
<td>P. Frochlich, France</td>
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<tr>
<td>11:10-11:30</td>
<td>Treatment of Airway Abnormalities in Infants with Stridor</td>
<td>A.B. Seid, USA</td>
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<td>11:30-11:50</td>
<td>Three Dimensionnal CT of the Airway in SIDS</td>
<td>C Ramboud, France</td>
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<tr>
<td>11:50 -12:00</td>
<td>Discussion</td>
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</table>
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. Ipsioglu, A. Pollak, Austria
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

Assessment of 72 Mothers in Alleged Factitious Illness Syndrome (FIS/FIP, MSBP)

K. Bluglass, UK

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

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
**Sleep Habits & Position**

**Hall B**

Chairperson: M. Aviram, Israel

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

**Hall C**

Chairperson: I. Oron, Israel

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

Poster Board No.

1  Bradycardias on Home Monitoring as a First Sign of Intracranial Hypertension
   \textit{H. Daniels, G. Naulaers, P. Casaer, H. Devlieger, Belgium}

2  Apneas on Polysomnography as a First Sign for RSV-Bronchiolitis
   \textit{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
   \textit{J. Siivola, J. Heino, K. Leinonen, K. Moilanen, P. Varimo, Finland}

4  Cost Benefit of Home Apnoe-Monitoring in Children with ALTE
   \textit{M. Kuchta, J. Jura, Slovak Republic}

5  Reflectance Pulse Oximetry (RPO): a New Tool for Continous Measurement of Heart Rate and Oxygen Saturation
   \textit{A. I. Eidelman, Y. Saroussi, I. Y. Shemesh, Israel}

6  Mitochondrial DNA Point Mutaitons Detected in Four Cases of the Sudden Infant Death Syndrome
   \textit{S.H. Opdal, Norway}

7  Autonomic Responses in Infants who have had an Apparent Life Threatening Event (ALTE) or Gastro-Oesophageal Reflux (GOR)

8  Apnea and Neuronal Apoptosis in the Arousal Pathway

9  Hypoxanthin (Hx)/ Creatinine Ratio in Urine: a Necessary Parameter when Diagnosing Apparent Life Threatening Event
   \textit{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. Kapuniai, 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

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 Apne Syndrome in Infants and Children
   C.F. Poets, Germany

16:15 – 16:30  Discussion

15:00 - 16:30  Education in the Community  Hall B
   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
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