

# The Signal



Vol. 15, No. 1-2

Newsletter of the World Association for Infant Mental Health

January - June 2007

## From Each Side of the Tube

### The Early Autonomy Training (EAT) Program for Tube-dependent Infants and their Parents

**Marguerite Dunitz-Scheer, M.D.**

**Ronny Scheer, M.D.**

**Michaela Tappauf, M.D.**

**Graz Hospital For Sick Children, Austria**

Within the large range of common and very rare conditions the specific focus of our clinical and research group in Graz has centered on **feeding tube-dependent infants and parents**, which has made our group develop into an international feeding center offering a highly specialized “learning to eat program”, based on developmental and attachment theory.

Our setting is the Psychodynamic oriented pediatric Ward, within the complex of the large Graz 300 bed-children’s hospital. All pediatricians who work in this ward have additional trainings in psycho-analysis, psychotherapy, child psychiatry or psychology.

The Graz model of tube-weaning program enables infants to be weaned off their long term tube dependency within 2-3 weeks by achieving sufficient self feeding abilities to allow discontinuation of all tube feeding. The program treats up to 80 infants per year from all over the world. Since the infants and their families (always parents, often grandparents and siblings) come to us to learn to “EAT” with the Early Autonomy Training program from all over

the world, it is for us a wonderful chance to have been asked to inform the readers of The Signal about our quite special approach. The uniqueness of the program relies upon the integration under one roof of the domains of pediatrics, surgery, genetics, developmental psychology and intensive care medicine, all of which are involved in severe feeding disorders.

Our program is described to parents and professionals in our homepage: [www.kinderpsychosomatik.at](http://www.kinderpsychosomatik.at).

The page offers help by informing professional and parents by sharing some knowledge in a field in which little written know-how exists.

During the past 15 years we have been working, observing, discussing and thinking a lot about typical and rare phenomena involved with the situation a child faces when it needs to be fed exclusively by tube. The knowledge summarized in the “Graz model” is the mix of many years of clinical experience and the privilege of having met hundreds of infants and their families

#### **Contents:**

- 1 The Early Autonomy Training (EAT) program for Tube-dependant Infants and Parents
- 10 An Exploration of the Experience of Parents Caring for Babies Fed by Naso-gastric Tube
- 16 By the Red Cedar
- 18 Introductory words from the new Editor Miri Keren
- 19 Call for papers- WAIMH YOKOHAMA 2008
- 20 Book Review

trusting us to try to understand their child's resistance, aversion or other reason of total food refusal while trying to wean it by traditional means. Our group in Graz has travelled all over the world, visiting conferences and presenting the model in workshops involving the encounter with many desperate families and their children who seemed impossible to be weaned by traditional means. We have always tried to be open for discussion on the topics involved in the project of critically with many colleagues from the US (Irene Chatoor from Washington), Canada (Jean Wittenberg from Toronto), New Zealand (Patricia Champion from Christchurch, Australia (Campbell Paul from Melbourne), Israel (Miri Keren at Schneider Hospital for Sick Children, and Arie Levine from Wolfson Medical Center) and with many other colleagues in Italy, France, Denmark, Switzerland and Germany. On an international level there is very little literature in this field, and research is constrained to a few centers and publications. We hope you will find lots of information to help you understand why exclusive long term tube feeding – especially with high caloric tube formula – can hinder the infant's sense of personal autonomy, normal oral activity and curiosity. Although this is not the goal one has when the decision for tube feeding happens, it is a frequent and troubling side effect.

The more you know, the more secure and the less anxious you will feel and the more precise questions you will be able to ask the team taking care of your baby. Learning to eat is a normal process in a child's development needing common sense and a basic set of parental skills in sensitivity, cue reading, commitment to want to feed and an engagement for the

child's growing sense of autonomy and self competence. When children are born without the possibility, chance or allowance to eat with their mouth, the common sense approach meets the upsetting world of high tech medicine, incubators, tubes of all kinds and the feeding tube, which you will find inserted into your baby's mouth or nostril. During the first days you will probably be more preoccupied with the look of the new tool and its fixation on the smooth cheek of your baby's tiny face, often causing irritating rashes. Day by day you will get used to this side of enteral feeding and get more interested about the nutritive and functional aspects of this artificial kind of feeding. How much is my baby receiving? Is it the same quality of food as if it were to eat the formula by mouth? Why is it being given continuous feeding and not defined meals? Is it receiving all ingredients that are needed for normal and healthy growth? On a nutritional level we can quite frankly confirm this question with an honest Yes. Modern nutrition for tube feeding is highly specific for all kinds of ages, specific medical situations and is able to feed a person for years without any nutritional risk.

The more days and weeks your baby is tube fed the more you will become involved with the functional aspects of tube feeding and possible side effects like distressing vomiting and sickness. Although most babies tolerate the formula well, the question of quantity and kind of application (bolus versus continuous) might become quite important, especially if the increase in bodyweight and growth parameters are not regarded as being satisfactory. At this point you might be thinking for the first time about the idea of

## ***Editorial Staff***

### *Editor:*

Miri Keren

### *Production Editor:*

Minna Sorsa

Tina Houghton

### *Editorial Board:*

Susan Berger

Salvador Celia

Peter de Chateau

Mauricio Cortina

Graziella Fava-Vizziello

Emily Fenichel

Elizabeth Fivaz-Depeursinge

Peter Fonagy

Cynthia Garcia-Coll

Bernard Golse

Antoine Guedeney

David Lonie

Tuula Tamminen

Michael Trout

Elizabeth Tuters

Hisako Watanabe

### *President's Perspective:*

Tuula Tamminen

### *From the Red Cedar:*

Hiram E. Fitzgerald

The Signal is a quarterly publication of the World Association for Infant Mental Health. Address correspondence to Miri Keren.

All opinions expressed in *The Signal* are those of the authors, not necessarily those of WAIMH's. Permission to reprint materials from *The Signal* is granted, provided appropriate citation for source is noted. Suggested format: *The Signal*, 2007 Vol 15, No.1-2, WAIMH.

tube weaning your child and how this might work.

## THE DEVELOPMENT OF EATING

During the wonderful intrauterine months of life the baby has learned to suck, swallow and drink its amniotic fluid. Most infants born after 32 gestational weeks are able to suck and swallow, because they have had intrauterine experience. Actually most healthy babies are born as sucking experts. At this point the interactive part of feeding strikes mother and the new born. Learning to eat is the first task that these two people must solve to mutual satisfaction. They are dependant on one another, the baby on the availability of food and their mothers or caregivers sensitivity, and the mother on the distinctness of baby's cues by which she can decode their meaning. This all works quite well and caregiver and baby get used to each other quite fast. It will last another 12- 18 months until the infant is self feeding with a spoon and tools like a fork, but there is ample time.

When a baby is born prematurely or suffers from a physical anomaly needing surgical intervention right away or is suffering from any other severe pediatric disorder, then things are all different. The most normal things are not working properly, and often eating and learning to eat become one of those essential developmental things that suddenly fail to develop normally. The doctors will tell you that the baby needs time, the speech therapist will talk about oral hypersensitivity, the neurologist will talk about decreased sensory coordination, the psychologist will talk about the possibility of the baby suffering from traumatic experiences influencing its ability to control oral

intake. They are all right in each of the perspectives the problem is looked at.

## THE IMPORTANT ROLE OF FATHERS

There is a saying in our team "without fathers we would be sacked!" meaning that the presence and involvement of fathers in the process of tube weaning is crucial and important to an extent that we find it essential to address this in particular.

When talking about babies not functioning in normal developmental tasks like learning to eat the role of the father is mostly neglected or forgotten all together. Decades of attachment research concentrated entirely on the importance of mother-child interaction and the role of the father often was diminished to being the donator of the genetic material. During the past years this attitude has been changing, slowly but markedly. The famous literature and scientific attention raised by the "Lausanne group" has made it clear, that the triad (mother-father-child system) is much more than the existence of a third person. The father's role is crucial. He is the active party in showing the baby that not everything outside itself is mother. The notion of mine and not mine is developed by the baby within the first months of life. The healthy baby is blessed with the mother's presence and commitment to be a wonderful mother, but having a third party opens up the dyad to the world. The role of the father is mirroring the existence of a different perspective than mothers, a world distinct and different from mother's perception and interpretation of the world of words, meanings, feelings and matters. We will be not talking here about the father's impact on an emotional or genetic level. What happens in feeding interaction is that

the breast-feeding mother mutates into the bottle-holding mom and any problems concerning the quantity and quality of feeding creeps deeply under her emotional costume. No normal mother will be happy and relaxed if her baby is not eating, not able to eat or not allowed to eat. The normal reaction in cases of infantile feeding disorders on the level of maternal psychopathology can go from nervousness to severe post partum depression with psychotic features. Although some fathers do engage in feeding infants suffering from feeding disorders, this is not the common situation. From our perspective, this provides positive opportunities to reintegrate fathers into the therapeutic situation. In fact, because fathers have not been exhausted by daily involvement in the feeding situation, they can approach the situation without the fatigue and "burned out" feelings that characterizes many mothers because of their primary role in the feeding interactions.

## THE CONCEPT OF SELF REGULATION FOR BABY, PARENTS AND TEAM

What does self regulation mean? This concept is a modern one, but at the same time an ancient concept of communication within living systems and is used in modern management. Theories of management in the business world recognize that persistent pressure to increase production can reach a point where increased pressure is counter-productive, producing resistance and opposition from employees and leading to lowered production. Similarly, persistent pressure to force baby to eat may lead to resistance and

oppositional behavior. It relies on the concept, that self regulation exists and a common goal might be attained easier and with less effort if self regulation versus less control is permitted. This has to do with trust, confidence and respect towards each other on all levels of communication, including the baby itself. When working with babies and infants you are basically always addressing the not yet speaking child as your “leader of the project”. Of course the infant is communicating, but on the level of its age or according to the possibility of its developmental status. The newborn, baby or toddler is emitting cues of all kinds. It can focus visually, can turn its head towards you or divert it the other way (e.g. if the bottle is approaching), it can babble, cry or scream, it can smile or engage its caregivers in lovely communication. These cues are emitted “into the space” surrounding the child. When a child has spent many months in neonatal intensive wards and in hospitals of all kinds, its communication repertoire might be smaller in range or confused in respect to the presence of the caregiver, his or her interpreter. And at the same time the mothers and fathers have gone through weeks of anxious fear, nervous expectation, they feel insecure and want to “help” their baby in every way. Though their intentions are good, these parental attempts at trying to help often turn out to be non constructive. It is often the nature of this (for the most part) unwanted, intrusive and exaggerated care, which can influence their baby in such a way, that the baby feels a need to protect itself, and to close its mouth instead of open it. Of all things a tiny or sick baby can control, the mouth may be the most basic and crucial. But since most of our developmental capacity –(also the program to learn to eat)- lies imbedded in the genetic code, all one needs to do is “wait, watch, and

wonder” a concept the famous American psychoanalyst Selma Fraiberg addressed in her work. Self regulation means that the baby is equipped with biorhythms regulating basic things like the wake-and sleep pattern and the hunger and satiety cycle. Self regulation also means that the grownups involved learn to trust in the baby’s capacity to be able to do things by itself, to be able to regulate hunger and satiety, even if it has been suffering from great pain for many weeks or even months. Since the baby has the same potential of becoming



*Picture from the Graz Hospital for Sick Children, Austria. Source: [www.kinderpsychosomatik.at](http://www.kinderpsychosomatik.at).*

an eating or even self feeding child like any other child, self regulation will also eventually solve the problem of meeting his or hers nutritional requirements by achieving the required oral intake,( but only in the case of reduction of the enteral intake = tube feeds).

## WHAT DO WE DO?

This is not so easy to describe, although we do not try to make a secret about our expertise and experience. Quite the contrary, we are actively involved in teaching and coaching many teams from many

hospitals, and have developed many teaching tools. But it seems to be that there is a whole philosophy and developmental theory involved and the education of some doctors has not equipped them with this kind of background or way of thinking. There are basically 2 main goals of the treatment:

- A. physical level (somatic approach): let child be hungry
- B. developmental level (psychological): increase autonomy

These two simple goals must be respected and understood on various levels by the child itself, the caregivers involved and the complete medical and nursing staff and paramedical team. The institutional aspect might even be the hardest to achieve, since it requires an open mind to a completely new way of thinking about feeding, eating and food and the relationships involved in feeding in general and in particular. One of the hardest tasks is to achieve uniform opinion within the medical team. The question of how, when, why and all the details concerned with the topic of tube weaning confronts most parents with a complex and wide range of recommendations, which often contradict each other.

## IS PLAY PICNIC THE SAME AS MESSY PLAY?

One of the specific inventions of the Graz model of tube weaning is the session of baby’s picnic, which is set up daily from 12am to 1pm. During the morning the children receive various trays covered with doll cutlery and doll plates, cups and saucers, in which they will find various attractive

food cut up in tiny bits. The main goal is not the idea of eating up these things but of meeting them in a new fashion, addressed mainly to the child's sense of exploration and curiosity. The point is not to be messy for the sake of messiness, but to touch and do new and nice things with the food. This method can be called a kind of experimental baby psychotherapy and involves careful and respectful support of the parents, of which only one should be present at the sessions if at all. A specific set of rules for the baby picnic has been collected and can be found here (Play picnic). To find a nice room in a hospital suitable for spilling liquids and foods and convincing the cleaning team that the mess is good, might turn out more difficult than expected. The aim of the session is to offer young children an opportunity to make new experiences with food in a comfortable setting (with or without their parents) in their age group. Parents are invited to stay in the room if the child needs them or they feel uncomfortable to be absent. They are primarily needed to satisfy the attachment needs of the child, secondary as a play or feeding partner, but only if the child invites them to play with him or her or ask for help in the feeding activities. As long as they are not specifically asked to be involved, they should stay respectfully passive.

Playing, watching the others, especially touching and creative playing with food is the main goal. Learning happens by the child's own initiative (hunger and/or joy for food). The autonomy of the child in the process of learning to eat as an intrinsic developmental skill is genetically determined. They don't have to be taught or shown how to do it. The fewer adults intervene, the more initiatives the child will develop itself. If hungry enough and not disturbed or feeling in danger, any child will want to start to eat. Attachment theory supports these

observations by supporting the wish of a child's impulse for exploration and the need for proximity and security.

For the first time in human history there is an abundant surplus of food in some parts of the world. It is exactly these parts of the world in which feeding and eating behavior disorders develop. Of course the infant cannot look or hunt for its own food but a healthy one year old is self sufficient in self feeding if food is supplied. It has the motor, sensory and developmental skill to take food if hungry enough. So the parents of infants suffering from various eating behaviors, need to learn to make the transition from feeding caregivers of the newly born baby and infant to food suppliers of the growing toddler. The major problem is that infants with food refusal are offered food all day long and this adult behavior is well meant but no good; it is intrusive, anticonstructive and unwillingly increases the infants refusal and avoidance.

## ONSET, THE FEEDING SET THE CHILD STARTS FROM BEFORE COMING TO OUR PROGRAM

A. Feeding situations have been perceived repeatedly as being traumatic by the parents and the child. A situation where food is around, but where the child does neither have to be fed nor eat, is a compensatory environment and will open new options for the formally experienced traumatic feeding situations.

B. There is a situation of permanent struggle between the caretaker and the child regarding eating and the control of feeding; the winner is the child because it is stronger and does not expect negative consequences.

C. The child has had no experience with hunger and has experienced that it will be (tube) fed anyway.

D. Most parents and children have a long history of suffering (hospitalization, anxiety for the child) lacking positive experiences and confidence for the child's abilities. Waiting, watching can lead to wondering, what the so often insufficient child can manage.

E. Hunger (after tube removal) can make the child tired, grumpy, scary, impatient and or angry. This crisis however is an important part in the process and should be accompanied with a lot of support and sympathy.

## DUTIES FOR THE TRAINEES OR ANY OTHER SUPPORTING ADULTS

1. Create a defined and comfortable setting, so the children have pleasure in the new surrounding, food is visible, all food is served in tiny portions in doll dishes.
2. No offering of any food without a cue from the child! Learn to wait until the child gives you a signal! The cues may be very discrete, but are mostly very straight forward. Encourage and enjoy the child's self-determination and capability of action.
3. No pressure or force,

no struggle, no temptation, no competition, no persuasion, no trading, no tricks allowed. You can't push the child in any direction, so don't try.

4. Trust that the child will show hunger in due time.

5. Crying and any sign of discomfort has priority. Distressed children shall always be soothed and if necessary brought out of the room.

6. Children are allowed to do anything with the food: play, throw, walk in it, smear it on them selves or feed the caregivers. They shall experience the food as they like by feeling, smelling, tasting, touching.

7. No wiping or cleaning (not even running nose) during the session unless demanded by the infant itself. Don't disturb the children.

8. Just sit back and be sensitive and curious to what is happening! Enjoy see the children play, and do what you're never allowed. Be there and show that everything is o.k.

9. If you get into stress, no matter why, reflect the situation and talk about it (transparent communication), i.e.: "I think this will be to much for me..." Don't react instantly. If something is confusing or irritating, ask those that are also accompanying the process professionally.

## EVALUATION OF SUCCESS

1. The first session has been successful, if the child was there, seemed interested and likes the idea of returning again the next day.

2. The session is successful if the child focuses on the exposure to the new stimuli and or watches the other children do so.

3. The session is successful if the child shows any new behaviour, independent of what exactly they do.

4. The sessions are successful if the parents report that their child enjoys it.

5. The sessions are successful if the parents report that their child does new things between sessions and touches more food.

6. Real eating, swallowing or drinking is no direct prerequisite of success and has no correlation with the process of tube weaning.

7. Kids differ in their moods and personal wellbeing. Evaluate change not on a daily, but weekly basis.

8. The final success is reached if the child can leave the program without its tube, confident of being able to eat and drink by itself and with confident parents.

9. Weight stabilization should happen in the last phase, there is no need to regain the initial bodyweight. This change will need 2-4 months to happen.

## WHEN IS THE BEST AGE FOR WEANING?

As early as possible! The development of normal eating behavior in the healthy child lasts from birth to about 12-18 month. This is the natural time needed for the transition of the breast-, bottle-, or spoon- dependant infant to the self feeding toddler! Most enteral tubes given at the time of birth end their specific purpose and indication by the age of 6-12 month.

If your child can swallow its own saliva and can sip small amounts of water with no difficulty of choking, coughing or gagging, then there is a very good chance that tube weaning will succeed, if the professionals involved are highly specialized in the task of assessment, differential diagnostic procedures and specific

treatment. It is not recommended to "try ones luck" and to experiment with little or no experience. This kind of behaviour can harm the infant a lot and will confuse its ability to adjust to a possible normalization of its feeding and eating behaviour.

## WHY DO WE DO THIS?

The psychosomatic division of the pediatric department of the large University Children's Hospital of Graz (LKH - Universitäts Klinikum) is a public institution, covered by the Austrian government and the state of Styria.

It is one of many highly specialized pediatric divisions within this complex and we are members of the Austrian American Association, with a long tradition of scientific exchange and student and postgraduate exchange with the pediatric hospital of Philadelphia, USA in particular, and with many other well known large medical centers of the world. Apart of being members of the Austrian Society of Pediatrics and the OEVK (Austrian section of the European Society for Child Psychotherapy) we are also members of WAIMH (World Association for Infant Mental Health), the board of GAIMH (German speaking Association of Infant Mental Health) and the AACAP (American Association of Child and Adolescent Psychiatry). All team members concerned with the development of the tube weaning program have no personal financial benefit whatsoever in indulging in this specific work. We regard the chance of getting to know so many infants and their families from all over the world with specific feeding and eating behaviour problems as a privilege, and a valuable

chance to increase our experience and knowledge in a highly specific field of pediatrics. It is our personal ambition and ethical choice to do our best and to offer this experience to as many families as possible. It has taken a decade of clinical experience to set up the program in its present form and we must thank hundreds of infants and their families for their trust and confidence and willingness to share experience, from which we have learned so much. We also are very grateful to all our colleagues, superiors and nursing staff within or large hospital complex who have shared their interest, critical views and sceptical perspective especially in those cases which seemed especially difficult to handle. The success rate of more than 95% in children who were all defined as impossible to wean from their tubes, tells us that we are doing right.

## WHO CAN BRING HIS CHILD FOR TREATMENT?

Basically anyone, but since most tube fed children have spent most of their lives in pediatric hospitals and are quite traumatized, the decision to seek for treatment abroad needs to be thought about carefully.

Tubes are given to infants and children for various reasons, mostly concerning extreme premature birth, surgical problems, severe illness, insufficient oral intake, increased loss or rare metabolic disorders. In most cases the decision to give a child a tube is made as a transitory decision or as a final one. If the decision was meant to intervene on a transient basis, the question arises, when and how the tube can be

removed. Currently we are developing international guidelines in the IFIG (International Feeding Intervention Group) trying to coordinate the recommendations from various fields of medicine which range from surgery, radiology, endocrinology, neurology, gastroenterology, nutritive and speech counselling, disorders of inborn metabolism and many more. Since we treat children from nearly all over the world, interpreters and translation of practically any language is offered. So if all regional specialists have not been able to help wean the tube for longer than 6 months over the time of its expected need to feed the child, then additional specialized help is a good idea.



*Picture from the Graz Hospital for Sick Children, Austria. Source: [www.kinderpsychosomatik.at](http://www.kinderpsychosomatik.at).*

## WHO ACCOMPANIES YOUR CHILD?

To insure best possible psychological comfort and a secure attachment situation, we only accept children for treatment who can be accompanied by one, or if possible, both their parents. In over 80% the usually working fathers can come with their child too, sometimes they come for 1 or 2 of the 3 weeks. We do not accept any infant for tube weaning without a caregiver, with whom it is very comfortable. In many cases, siblings or grandparents are also admitted and integrated into the various daily treatment sessions. The more family is around, the more “at home” the child feels even though it is visiting a new place.

## WHEN IS A BABY NOT ALLOWED TO LEARN TO EAT BY ITSELF?

In cases of children with operations within the mouth, palate pharynx or gut, oral feeding might be prohibited but mostly only for the first few days or weeks. Another group of children are children suffering from disorders of inborn errors of metabolism requiring very specific diets, especially in the first phase until the exact diagnosis is made and the exact treatment plan can be suggested. Another group of children where oral feeding might be distinctly forbidden are infants with severe difficulty in swallowing and the danger of aspiration of food and liquid into the lung. Eating oneself requires a “good

enough” function of the swallowing mechanism. Good enough means avoiding and minimizing the risk of choking and aspiration and recurrent infections and pneumonias. A tube is not necessarily a guarantee against this danger. Some tube fed infants have a reflux, which brings up the food again, after having been tube fed into the stomach and aspirate into their airways even so. So this rare possibility must be ruled out. An experienced speech therapist will be able to do this. In children who show these symptoms, a fundoplication (Nissen operation) or insertion of the G-tube into the duodenum might help. So this rare situation definitely needs clinical assessment.

## HOW CAN YOU SUPPORT YOUR BABY TO LEARN TO EAT?

In most tube fed children the use of the oral cavity and swallow apparatus is not prohibited. But most parents will be told, that their child may feed and that “they should just try”. They should try over and over again. This advice is correct and incorrect at the same time. Normal eating development happens by itself, it is regulated by the child’s genetic code and thus the eating environment should be as normal as possible. Let your tube fed child always sit at the table, let it see food and eating people and always let it have access to touching food by itself. But food needs to be chased for. Your baby must ask and demand itself. It will like to touch food and will want to decide itself, if and when and what to put into its mouth. So the goal is to maintain

or reach “oral curiosity” and not oral resistance, avoidance and refusal. At the same time your child is in a developmental phase of strong self determination, so please don’t offer things or ask the baby to imitate your eating; let the baby define its own pace and pattern.

## HOW TO DECREASE AVERSIVE ELEMENTS?

Many parents suffer because of the contradictory advice they are getting from all sides. Meaning well is not always good advice and personal opinions and own experiences can often confuse parents and thus also the child more than is beneficial for them. If you are the parent, please take over the role of the chief coordinator. Do this right from the beginning, but at least by the time the baby is discharged from hospital. If your baby leaves the hospital with a feeding tube, be this a nasogastric one or a G-tube, please ask the responsible doctors to make a plan about how to proceed with the topic of feeding and to involve you into this plan. It is pretty disastrous and very harmful to the baby if various different people mix into this topic, especially when they might not even know each other or might not be aware of this coinfluential or even contradictory pattern. For the topic of tube weaning please choose very experienced pediatricians and very experienced speech therapists. These two professional groups are the smallest possible “team”. The pediatrician will probably feel more responsible about the nutritive aspects and the control over the weight and growth chart, and the speech therapist will probably have good ideas how to stimulate the mouth and oral cavity with pleasant and new

experiences. So this smallest possible professional team will cover the full range of “psycho-developmental versus somatic-physical” approach to the tube feeding topic well. If there is no team nominated, the parents often identify with these two themes alternatively and in an indirect way also cover the same range. So please ask for a responsible team for the project for learning to eat and this must be clarified before your baby leaves the hospital. The responsible persons for inserting the tube must give you their expectation of how long this artificial method of feeding should or will be continued. Please also find out as early as possible if the tube is planned only for a transitional phase or as a life long device. Also in cases of very excellent reasons for giving a tube, the topic of defining variables of efficiency (who will take over the responsibility of weight checks) and watching for aversive side effects (like vomiting, gagging, reflux, dumping syndrome) must be spoken about.

## WHAT MUST A CHILD EAT OR DRINK?

We are asked frequently to define the absolute minimum of necessary intake, be this oral or enteral. Since this question raises the ethical and legal topic of medical responsibility and we do not wish to potentially harm any child which is outside the range of our direct and personal examination, we can only offer some general and vague information. Basically one can say that nobody must eat or drink anything, but if not, the chance of serious physical and psychological harm increases up to the increasing danger of death. From decades of international discussion in the field of anorexia, the therapeutic recommendations range

from force feeding and total external control within a behavioral contract on the one hand and the rather contrary theory of self regulation and the basic human wish to live and survive on the other. Knowing this we can relax a little bit. The baby's repertoire of attachment cues is definitely able to guarantee sufficient oral intake, if the environment is capable of feeding the baby be this from a caregiving, functional or nutritional point of view.

Already at the time of birth infants will not die of hunger or thirst, if their cues for signalling these elementary needs are read and heard. The paradoxical fact is that most tube fed infants who thrive badly and have insufficient weight and growth charts are "overfed". They often receive too much volume in too large individual portions and suffer from many troubling side effects. So we dare to say that during a supervised and short period of some days, in which the medical status of the child has to be monitored very carefully and professionally, there is practically no minimum, that a fit baby "must" eat or drink by itself. As long as the baby is well, good natured, moving as before, active, curious, happy and awake, and producing urine, it will probably be recovering from the feeling of chronic latent sickness and overfeeding. This can last for 24-72 hours. If there is no additional loss of volume (like vomiting or diarrhoea) or additional need of volume (like fever) most children can survive with no fluid or caloric intake much longer than expected with not the least harm. But this situation must be supervised in a responsible and professional way by the parents and involved physicians. Only in a "secure" case of organized support the paramedical therapist like early interventionist, speech therapist, occupational therapist, psychologist, physiotherapist will feel confident and relaxed to offer the child new inputs which might support the child's

initiative for self exploration into the wonderful world of fluids and foods.

Other fields of research of our group are:

International guidelines for tube feeding and weaning

The development of eating in preterm babies

The development of taste in babies

Early onset eating disorders and picky eaters

Posttraumatic eating behavior disorder

Obesity and its prevention

Anorexia and the endocrine system

Anorexia athletica

If any reader of The SIGNAL might have any questions concerning a child with a very specific or very severe kind of early eating behaviour- or feeding disorder or tube dependency he or she is welcome to contact us by email, just as so many parents do from all over the world.

All the medical doctors of the Graz team will be glad to answer:

[peter.scheer@klinikum-graz.at](mailto:peter.scheer@klinikum-graz.at)

[marguerite.dunitz@klinikum-graz.at](mailto:marguerite.dunitz@klinikum-graz.at)

[katharina.burmucic@gmx.at](mailto:katharina.burmucic@gmx.at)

[michaela.tappauf@gmx.at](mailto:michaela.tappauf@gmx.at)

[hildegard.nitsche@meduni-graz.at](mailto:hildegard.nitsche@meduni-graz.at)

We have set up a computerized datasheet for collecting prospective data on the population of tube dependant children. Any colleagues interested in participating in this very first epidemiologic study please

contact: [thomas.trabi@gmx.at](mailto:thomas.trabi@gmx.at). We feel that it is very important to enhance and encourage research designs for this new and challenging clinical population of tube dependant infants.

# An Exploration of the Experience of Parents Caring for Babies Fed by Naso-gastric Tube

Libby Ferguson & Campbell Paul

Royal Children's Hospital, Melbourne,  
Australia

## INTRODUCTION

Provision of adequate nutrition to enable growth and development is one of the most important aspects of caring for a baby. The responsibility for feeding the baby usually falls on the parents, particularly on the mother. The feeding relationship between baby and parent is important and forms a crucial basis for the emotional development of the baby and contributes greatly to the parent's ability to experience the care of their baby with confidence and satisfaction (Satter, 1999). Rosenblum (2004) describes feeding as a "relationally embedded phenomenon" (p. 61). When oral feeding of the baby is compromised, or even impossible, the parent-infant interaction is made more complex and is at risk of disruption (Drotar & Robinson, 2000; Benoit, 2000).

Many infants beginning life in a neonatal intensive care unit (NICU) or in a Special Care Nursery (SCN) receive some or all of their nutritional needs through a feeding tube, either an oro-gastric tube, a nasogastric tube (NGT) or a gastrostomy tube. It is difficult to separate the need for tube feeding from the complex medical and/or surgical problems that necessitate the placement of the tube (Minde, 2000). The parent's perception of the tube may often be difficult to disentangle from their experience of having a baby with a life threatening illness.

Increasingly infants are discharged from the hospital while remaining dependent on the use of a feeding tube to maintain growth. Parents must learn to manage all aspects of tube feeding to enable their baby to be discharged to their care at home. As well as learning the complex process of administering a tube feed, many parents also undertake the responsibility for inserting the NGT through their baby's nasal passage and pharynx to the oesophagus, whenever it needs replacing.

## SUMMARY OF RELEVANT LITERATURE

A growing body of literature related to parental perceptions of tube feeding, usually gastrostomy tube feeding, in older infants and children is emerging. Literature related to psychosocial aspects of paediatric medical complexity and chronic ill health provides further insights to the experiences of parents and their children.

Family dynamics, coping mechanisms and reference to "psychological scars" have been described as relevant to discharge planning for young children with gastrostomy tubes (Huddlestone & Ferraro, 1991).

Physiological gains, supplemented by some data supporting psychosocial impact of tube feeding are documented in the quantitative literature (Tawfic,

Dickson, Clarke & Thomas, 1997). Smith, Camfield & Carol (1999), found that, along with medical and mechanical complications of the tube placement, 28% of families reported problems with family functioning and stress. Data from this study were analysed using quantitative methodology. Specific psychosocial problems revealed by Smith et al were *restricted mobility, difficulty with respite care, impact on relationship with the child and the child missing the taste of food.*

Tube fed children have been found to experience a high level of stress, related to the severity of their child's medical condition and the constant care giving demands over extended periods. Parents of tube fed children were found to have higher levels of stress than either of two control groups. (Pederson, Parsons & Dewey, 2003).

Craig, Scambler & Spitz (2003) used semi-structured interviews and constant comparative methodology, to arrive at the following themes: *experiences of feeding, referral, significance of oral feeding, the child's enjoyment of feeding, maintaining skills, perceived benefits and the need for evidence, complications of the procedure, the anti-reflux procedure and emotional and support needs.* The authors recommended that families and clinicians might benefit from discussion of hopes, expectations and limitations of the procedure prior to surgery, with review of the same factors following surgery.

Two related articles in the nursing literature, outline the experience of long-term gastrostomy in children with disability, and with insights from nursing staff (Thorne, Radford & McCormick, 1997; Radford, Thorne & Bassingthwaighe, 1997). These papers, based on qualitative research, examined perceptions of a group of nurses and a smaller group of parents. Among the categories delineated were: *giving up hope, ending the struggle, caregiver convenience, relinquishing normal and maternal failure.*

Family adjustment to chronic physical disorder was influenced by intra-personal factors, social-ecological factors and stress processing (Wallander & Varni, 1998). In a review of literature on family coping with chronically ill children Meleski (2002) discussed shifting responsibilities and disequilibrium during transition times, along with chronic sorrow,

Mismatch of perceptions between home care nurses and parents, regarding caring for technology dependent children was raised by O'Brien & Wegner (2002). The authors recommended improved communication and collaboration between parents and home care nurses.

A study of parental stress in the neonatal intensive care unit provides some insight into the age group of interest to the current study. Dudeck-Shriver (2004) used a parental stress measure to study factors predictive of parental stress. High levels of stress were found related to baby-parental role and the appearance of the infant.

Franklin & Rodger (2003) studied parental perspectives and psychosocial implications of feeding the children using in-depth interviews and a mealtime observation. The following themes emerged: *fear for the child's survival, stress on the parent-child relationship, increased parenting*

*responsibility and adjustment, and coping with chronic stress.* This shift to consideration of the parent-child relationship may indicate the emergence of some focus on the baby as well as the parent.

## METHOD

Parents of six babies from the researchers clinical caseload were interviewed, using semi-structured interviews. Minichello's (1992) description of in-depth interviews formed the conceptual basis for the interviews. Interviews were conducted either in the hospital setting and in the interviewees' own home as chosen by the interviewee. Interviews were videotaped and the data transcribed to personal computer for analysis.

Analysis of data used the constant comparative process (Glaser & Strauss, 1967). An open coding system (Miles & Huberman, 1994) was used to code each conversation a turn, or embedded unit of meaning, in the interviews. Codes were progressively refined as themes emerged. Relationships between codes were identified and themes labelled according to collections of topics and meanings (Flick, 2002). Analysis ceased when all units of relevant conversational turns were assigned to a theme.

Ethical approval for the study was obtained through the interviewer's hospital ethics committee.

## PARTICIPANTS

Families of six infants, between the age of four and ten months were selected for interview. Three couples, comprising mother and father, and three mothers alone were interviewed. Diagnoses for the infants comprised a

range of complex medical conditions, all of which had meant a lengthy stay in a neonatal unit at a major paediatric hospital. Length of hospital stay ranged from 18 days to 294 days.

## RESULTS

### EMERGING THEMES

#### A visual reminder of illness

When parents first see the feeding tube it reinforces to them that their baby is severely ill.

- *A constant reminder that things aren't exactly right with her...*
- *It concerned me more than anything, because that meant it was something serious...you see tubes and you think that*
- *The thing up her nose was the least of our worries.*

#### The tube as a necessity

Parents generally acknowledge that the feeding tube is essential to keep their baby well nourished.

- *But it does mean that she gets everything nutritionally*
- *But then again there may be positives to it. Because then you know what she getting nutritionally. That she is getting everything she needs.*

## The hospital context

The hospital is a difficult environment but one for which parents develop coping strategies.

- *With my sister, both her and I were reprimanded for looking at the other babies and thought "Goodness, what have we gotten into here?". When we found out what the rules are we thought "'Oh well. We'll fit in here".*
- *You quite like coming in here and seeing other children with tubes.. You think Yeah! They're quite normal in here.*

## Interaction with hospital staff

Parents were thankful for the work done in keeping their child alive but expressed a range of negative perceptions. They felt powerless, unlistened to, and, with their baby, at the mercy of the system.

- *People are generally here to make her healthier and happy.*
- *I don't think a lot of people are really that experienced at putting the tube in..*
- *Its because they have to do it. It's not just doing it for the sake of.. "Oh we'll practice this on Jennifer".*
- *They don't want to take any advice from you or talk about it and realise that you know your own baby.*
- *If you're not happy, learn to say no, learn to ask the nurses how they are doing it. Don't assume or trust.*

## The trauma of inserting the tube

Parents feel traumatised and recognise the trauma to their baby. They may "switch off" to the trauma.

- *I burst into tears I couldn't believe I had just done that to my son. It was my way of helping him, to bring him home*
- *Oh its horrible.. You want to tear them apart. When Frank does it at home... the two of us nearly kill each other through the whole time its being done.*
- *If you are gently you can actually feel it go down..and you can feel when its stopping. If she's upset or crying you just stop it there and then she'll calm down a bit, she'll breathe in..and it will go through..It just sucks itself through.*
- *I know it has to go in. You sort of switch off to her cries. Usually the people who try to help me get all distraught.*

## Social reactions to the tube

Parents feel criticised, but also acknowledge that strangers feel concerned about their child. The tube is the focus for comment rather than the baby.

- *And people think we're like, you know, bad parents or something.. Friends who have got kids think we must have done something wrong that we can't feed out baby...*
- *I had a guy in the bank one day come up to her and say "What's that up its nose for?", at the top of his voice.. And we've also had people who were just gorgeous. It brings out the good side in people.*

- *I went out to the shops once when it was out and I really did notice a difference... A lot of people came up and said "Oh look at the red hair rather than just looking at the tube"..*

- *Some people think it's a bit strange. It's being cruel you know. How can you shove something up her nose and feed her that way.*

## Effect on social interaction

Complex medical conditions limit social interaction and lead to feelings of isolation. However, parents express the need to find ways to manage.

- *You can still go out sometimes and feed them out. I've done it before. It can be horrible sometimes because you do get looks.*
- *I've been to play group committee meetings and just hung up the tube and carried on.*
- *I've done them in all sorts of places. I've hung it on the tree.. when my cousin was getting married.*
- *We've slowly started to visit our friends. At first the tube isolated him.*

## Need for information

Parents appreciate the teaching they received in hospital but felt a lack of written information to refer to when away from the hospital.

- *I think there needs to be a bit more...not necessarily maybe a support pack but I think definitely more information about the tube and what it's doing and how it's done, to the parents.*
- *(So you learned from watching other people do it?) Yeah, and basically, when you get the um, the tube, it has instructions.*

## The baby's reaction to the tube

Parents perceive the baby as having a love-hate relationship with the tube. They attribute the baby with acceptance but also the wish to be rid of it.

- *I think he knows it's the only way.*
- *He starts to gag or go blue. Maybe he's retaliating.*
- *She's a very forgiving little person. Often after she been screaming, having the tube done. She looks up as though to say "Well. Thank You" .. she seems to know that it's necessary, that its not a deliberate ploy on my part to torture her.*
- *She loves the tube. She plays with it.*

## The tube as "part of the baby"

Parents perceive that the baby might think that the tube was a part of its body but acknowledge that the baby was aware of its intrusiveness.

- *It's part of her. If she hasn't got it in I think she looks so strange*
- *You know it's just like playing with your foot.*
- *She was little at that stage, to see something like that go into her body was horrible you know.*
- *Often when she gets distressed she will try to rip it out...but other than that it's quite normal for her.*

## Responsibility

The parent who takes on most of the responsibility might express disappointment and anger towards their partner and other family members. They also feel unable to rely on the usual community support networks.

- *I panic if my partner is not here. I need someone else*
- *Try to teach someone else how to change the tube. I never did.*
- *I've got a good friend who's a nurse and she said she wouldn't baby sit her*
- *You can't just rock up to a normal childcare centre and say "Here's my child" ... They all go "OoooH".*

## SUMMARY OF FINDINGS

The tube has multiple meanings, often contradictory :

- *It keeps the baby healthy, but it is unnatural and inconvenient;*
- *It is part of the baby but it is an intrusion into his body*
- *It signifies severe illness but doesn't need to restrict normal life.*

The baby, and the effect of the tube on the baby, underpins many of the parents' perceptions regarding the feeding tube.

Parents express ambivalence towards the tube and tube feeding, and about the care provided for their baby.

Parents report anxiety about the potential for events that may threaten

their baby's life and the need to be constantly vigilant.

Responsibility for tube changes falls on one parent, who often feels unsupported.

The presence of the tube need not limit social interaction but uninformed public causing parental frustration and anger.

Hospital staff are generally skilled and helpful but not always consistent. Some staff are inexperienced and cause frustration to parents and distress to the baby.

## DISCUSSION

The aim of this study was to use a qualitative research paradigm to describe the parental experience of caring for a child who received some or all of their nutrition via a feeding tube. Most of the findings relate directly to perceptions regarding the use of a nasogastric tube (NGT). Only one child had undergone surgical insertion of a gastrostomy tube, and the insertion of the gastrostomy tube followed six months of NGT use. While some of the issues discussed might span the use of both types of tube feeding, most of the findings relate to use of the NGT.

As most of the relevant literature related to pediatric tube feeding deals with gastrostomy feeds in a population of children older than one year, this study, as would be expected revealed themes not pertinent to the populations outlined in the literature. For example, the fact that five out of the six families in the current study had one parent who was responsible for inserting the NGT led to the emergence of data specifically related to that event, which was generally a source of trauma to the responsible parent and to the baby. Whether

this trauma was greater than that experienced when the child has a gastrostomy tube in place was not the subject of this study. The experience was different, not necessarily greater, although the strength of some parent's emotional expression might lead to the conclusion that the trauma was also greater.

As expected, separating perceptions of tube feeding from perceptions related to the baby's complex medical condition and the need for extended hospital stays, was not always possible. All of the infants began life with an admission to the neonatal unit at a major teaching hospital, some in a neonatal intensive care unit (NICU) and some in a Special Care Nursery (SCN). Experiences with hospital staff, and the hospital environment, were clearly remembered and described by many parents. Even when a parent stated that they had difficulty remembering the first few days or weeks, when an NGT was inserted, they went on to give accounts that suggested firmly implanted memories, held close to the surface and probably influencing day to day perception of the infant and the feeding process.

The experience for the baby was more difficult to outline clearly. It was the baby as represented in the parent's mind whose experience was described in some detail. The real baby was observed during the taping of interviews and some notes made but comprehension of the babies' behaviors during the taping sessions was difficult. At times it seemed that the baby was clearly intending to 'have a say', but the young age of the baby and the fact that the interviewer was intent on understanding the parents' expressions, prevented the baby making his or her meanings clear. As infant communication is generally clearer when expressed as part of an interaction with a parent or other significant person, a different

type of infant observation might be the topic of further study with the aim of elucidating the infant experience of mealtime when the food arrives via a tube.

Before the commencement of the study it was anticipated that prior parental experience with both complex medical conditions and with feeding difficulties would influence the experience with their own baby. Only two clear instances of prior parental experience arose as topics during the interviews. The interviewer did not specifically ask about prior experience and this may have influenced the lack of comments related to their own experience. Because of the strength of emotion behind the two descriptions of prior experience they were regarded as significant in the development of themes.

At times, the perceptions outlined by the parents' were contradictory, perhaps reflecting a degree of ambivalence. Sometimes parents were thankful towards the hospital and hospital staff for enabling their child to survive and thrive. At other times during the interviews the same parent might be critical of the hospital and staff and give clear expression of anger and frustration caused by staff behaviours and/or the hospital environment.

Ambivalence towards the tube was also expressed. The tube was hated and the source of trauma to parent and baby, but was also loved by the baby and a useful means of nourishing the baby for the parent. Times without the NGT were described as a source of pleasure for the parent, a break from society's assumptions regarding the tube and enabling glimpses of the child that was more usually hidden behind the tube. The same parents had also to assure the interviewer that they loved their baby even with the tube in place.

Only one parent spoke explicitly about difficulties with attachment to their baby (Zeanah & Boris, 2000). This mother referred to attachment by talking about the need to 'make friends with' her baby because of the number of people closely involved with him in the SCN setting. The topic of parent-child interaction in the NICU and SCN environment is written about by Minde (2000) and is a frequent focus of clinical assessment and intervention with infants with complex medical conditions, within the field of infant mental health. Further exploration of attachment in this population of medically complex infants needing tube feeds in the early infancy would be a welcome addition to the literature.

The current study was exploratory in nature and adds new information to the very sparse body of literature related to the needs of parents and infants when the infant has a feeding tube. It revealed themes that were specific to medically complex infants, not raised in other studies involving older children from different diagnostic categories. There were also themes which were applicable across wider populations of children, similar to some of the themes outlined in the literature cited earlier in this article (Craig et al, 2003; Smith et al, 1999; Thorne et al, 1997).

Results of the current study would be useful as a basis for further exploration of the experience of tube feeding for parents and infants. The themes could, for example, inform the development of a comprehensive questionnaire with the aim of confirming and/or extending the data presented in the current study.

A study that focused of the experience for the baby would provide information, important to the management of tube feeding and the prevention of feeding problems.

Libby Ferguson, Senior Clinician, Speech Pathology Department, Royal Children's Hospital. Melbourne.

Assoc. Professor Campbell Paul, Infant Psychiatrist, Mental Health Service, Royal Children's Hospital. Hon. Principal Fellow, The University of Melbourne.

## REFERENCES

- Benoit, D. (2000). Feeding disorders, failure to thrive, and obesity. In C.H. Zeanah (Ed.) *Handbook of infant mental health*, (pp. 339-352) New York: Guilford.
- Craig, G.M., Scambler, G. & Spitz, L. (2003). Why parents of children with neurodevelopmental disabilities requiring gastrostomy feeding need more support. *Developmental Medicine & Child Neurology*. 45, 183-188.
- Drotar, D. & Robinson, J. (2000). Developmental psychopathology of failure to thrive. In A.J. Samaroff, M. Lewis, & S.M. Miller (Eds.) *Handbook of developmental psychopathology* (2nd edition)(pp. 351-364) New York: Plenum Press.
- Dudeck-Shriber, L. (2004). Parent stress in the neonatal intensive care and the influence of parent and infant characteristics. *American Journal of Occupational Therapy*. 58(5), 509-20.
- Flick, U. (2002). *An introduction to qualitative research*. (2nd edition) London: Sage.
- Franklin, L. & Rodger, S. (2003). Parents' perspectives on feeding medically compromised children: Implications for occupational therapy. *Australian Occupational Therapy Journal*. 50, 137-147.
- Glaser, B.G. & Strauss, L.A. (1967). *The discovery of grounded theory: Strategies for qualitative research*. New York: Aldine de Gruyter.
- Meleski, D. (2002). Families with chronically ill children: A literature review examines approaches to helping them cope. *American Journal of Nursing* 102(5), 47-54.
- Miles, M.B., & Huberman, A.M. (1994) *Qualitative data analysis: An expanded sourcebook* (2nd edition) London: Sage.
- Minde, K. (2000). Prematurity and serious medical conditions in infancy. In C.H. Zeanah (Ed.) *Handbook of infant mental health* (pp.176-194) New York: Guilford.
- Minichiello, V., Aroni, R., Timewell, E., & Alexander, L. (1990). *In-depth interviewing: Researching people*. Melbourne, Australia: Longman Cheshire.
- O'Brien, M., & Wegner, C.B. (2002). Rearing a child who is technology dependent: Perceptions of parents and home care nurses. *Journal of the Society of Pediatric Nurses*. 7(1), 7-15.
- Pederson, S.D., Parsons, H.G. & Dewers, D. (2004). Stress levels experienced by the parents of enterally fed children. *Child: Care, Health & Development*. 30(5), 507-513.
- Rosenblum, K. (2004) Defining infant mental health. In A.J. Samaroff, S.L. McDonough, & K.L. Rosenblum (Eds.). *Treating parent-infant relationship problems- strategies for intervention* (pp. 43-75) New York: Guilford Press.
- Radford, J., Thorne, S., & Bassingthwaighe, C. (1997) Long-term gastrostomy in children: insights from expert nurses. *Issues in Comprehensive Pediatric Nursing*. 20(1), 35-50.
- Satter, E. (1999). The feeding relationship. In D.B. Kessler & P. Dawson. (Eds.). *Failure to thrive and pediatric nutrition: A transdisciplinary approach*. (pp. 121-145) Baltimore: Brookes.
- Smith, S.W., Camfield, C. & Camfield, P. (1999). Living with cerebral palsy and tube feeding: A population-based follow-up study. *The Journal of Pediatrics*. 135(3), 307-310.
- Tawfik, R., Dickson, A., Clarke, M. & Thomas, A.G. (1997). Caregivers' perceptions following gastrostomy in severely disabled children with feeding problems. *Developmental Medicine and Child Neurology*. 39(11), 746-751.
- Thorne, S., Radford, J. & McCormick, J. (1997). The multiple meanings of long term gastrostomy in children with severe disability. *Journal of Pediatric Nursing*. 12(2), 89-99.
- Wallander, J.L. & Varni, J.W. (1998). Effects of pediatric physical disorders on child and family adjustment. *Journal of Child Psychology and Psychiatry*. 39(1), 29-46.

BY THE RED CEDAR

# Robert N. Emde Honorary President, World Association for Infant Mental Health July, 2006



The title of “Honorary President“ may be conferred to honor a distinguished person who has made an outstanding contribution to the interdisciplinary field of Infant Mental Health. Section 13, WAIMH Bylaws.

In July 2006, Robert (“Bob”) Emde became the first individual to be designated by the WAIMH Board of Directors as Honorary President. As indicated by the bylaw section cited at the lead of this article, Bob Emde’s contributions to the field of infant mental health have been broad, deep, and long-standing and his sphere of influence spans decades, continents, and disciplines. Moreover, this sphere encompasses scientific, clinical, and policy-practice issues.

Born in Orange, New Jersey in 1935, Bob’s academic entry into infant mental health began at Brown University, where he graduated cum laude with a major in sociology, and then at Columbia University College of Physicians, where he earned the doctoral degree in medicine. Bob then began to move west: an internship in medicine at the University of Minnesota Hospitals was followed in 1961 by a residency in psychiatry at the University of Colorado School of Medicine, a state and institution that have been a part of his life to the present.

Bob Emde is currently Emeritus Professor of Psychiatry at the University of Colorado Health

Sciences Center. He serves as Scientific Advisor for the World Association for Infant Mental Health. He was President of the World Association for Infant Psychiatry and Allied Disciplines (WAIPAD) when plans to merge WAIPAD and the International Association for Infant Mental Health were first discussed and planned. He has served on the Board of Directors of Zero to Three since 1982 and is Chair of the task force charged with revision of the Diagnostic Classification: 0-3 system, and a member of the Executive Committee for the Board of Directors. Bob was elected President of the Society for Research in Child Development, the world’s largest scientific organization focused solely on issues related to child development. Beyond extensive occasional reviewing for a wide range of journals, Bob was editor of the SRCD Monographs, Associate Editor of Review of Child Development Research, Journal of the American Psychoanalytic Association, and Psychiatry, and currently is on the editorial board of the International Journal of Psycho-Analysis. He also is Scientific Advisor for the Board of Professional Standards of the American Psychoanalytic Association and is Head of the College of Research Fellows of the International Psychoanalytic Association (at the University of London).

A recipient of NIMH Research Science Awards over a 30 year period,

Bob has been awarded Distinguished Life Fellow status by the American Psychiatric Association. In 1996 he received the WAIMH Award for distinguished contributions to the field of infant mental health, and in 2006 received the Rene A. Spitz Award in recognition of significant life time contributions to clinical and empirical research on topics related to infant mental health. In 2007 he was honored with the David Dean Brockman Award by the American College of Psychoanalysts for distinguished research in psychoanalysis. Bob has served as a visiting professor in 22 countries. His list of post-doctoral fellows includes such an impressive list of scholars that is it worthy to mention them all: James Sorce, Ann Easterbrooks, Helen Buchsbaum, Zeynep Biringen, David Oppenheim, Michael Sherman, Richard Bingham, Robert Clyman, Susan Warren, Loraine Kubicek, Stephanie Schmitz, Kimberly Kelsay, and Kevin Everhart. He also mentored research scientist development awards for Robert Harman, Theodore Gaensbauer, and David Mrazek, and chaired 11 doctoral dissertations at the University of Denver and University of Colorado-Boulder.

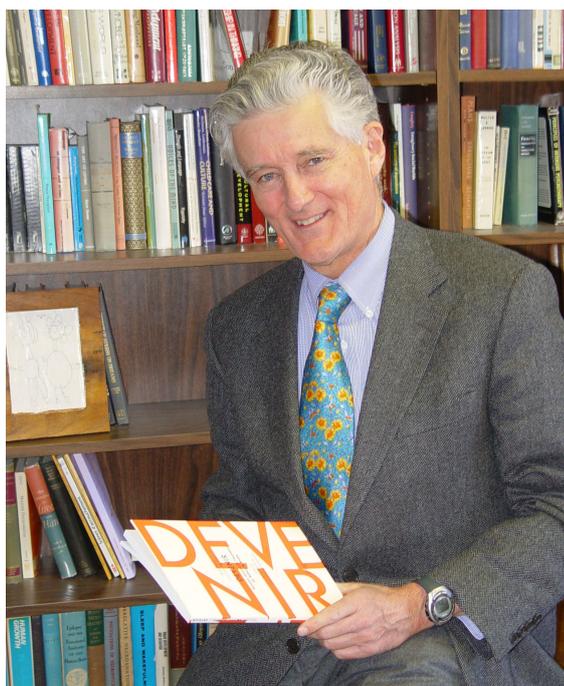
Bob’s scientific career has focused on the organization of human emotions in the early years of postnatal life, the psychobiological behaviors regulating the organization of parent (mother and father) infant relationships, and

the impact of emotions on individual and family life. His work was instrumental in documenting the infant's use of social referencing as a way to "read" parental emotional states as feedback to internalized affective reactions to environmental events (e.g., falling and hitting one's head on a table, looking at parents to "read" their emotional reaction, and then making a "decision" how to overtly express pain, or reading parental emotional expressions when venturing out to explore the environment to determine whether such ventures are safe or threatening). Bob's work illustrates how these regulatory behaviors affect the quality of family interactions in typical families as well as those characterized by parental psychopathology and/or children's developmental disabilities. His work linking parental and infant signal systems and assessing their impact on the organization of behavior during the first five years of life has had a profound impact on understanding the importance of the organization of brain-behavior relationships early in human life.

Consistent with the traditions of Rene Spitz and Adolf Meyer, Bob's work has always been interdisciplinary as evidenced by his leadership of the Developmental Psychobiology Group (DPG). The DPG, sponsored by the University of Colorado Health Sciences Center with endowed foundation support, meets biennially at Estes Park, CO. Each meeting includes presenters from several disciplines addressing a common content area, and each of three days is devoted to rich discussion about national and international research and policy implications. Sessions devoted to mentoring reflect one of Bob's broad commitments within infant mental health, namely, to help guide young investigation onto life course

pathways that will intergenerational transitions in the leadership of infant mental health.

Bob's ability to work cohesively with scientists from many disciplines was one of many talents that led to his selection to chair three major national research projects, two of which were



funded by the MacArthur Foundation, and one by the Administration for Children, Youth, and Families. The MacArthur Foundation Research Network involved over 60 senior investigators assembled to study the transition from infancy to early childhood (1982-1987). This was followed by service as chair of the MacArthur Foundation Research Network on Early Childhood Transitions (1987-1992) and involved work with a similar group of senior scientists. Finally, when the National Consortium for the Evaluation of Early Head Start needed a leader to oversee the Transitions from Preschool to Kindergarten follow-up study it turned to Bob to hold together the 17 national sites and nearly 50 senior investigators connected to the project. The work generated by each

of the national efforts has provided extraordinary understandings about early life transitions, and in the case of EHS, vital information about the impact of a prevention program (EHS) that now enrolls over 70,000 children nationwide.

The impact of Robert Emde's scientific work, his national contributions to the study of early human development, his broad interdisciplinary and international presence, and the extraordinary influence he has had on the lives of young investigators worldwide are all components of the recognition that WAIMH intended by awarding him the title of Honorary President. But all of his scientific, clinical, and policy work provide only an outer view of Bob Emde in his various professional roles. The inner view provides deeper insight into Bob's humanity, his compassion, zest for life, wonderful sense of humor, exuberance, dedication to family, creative expression, and a generous dash of boyish devilment!

It was my great pleasure to meet Bob in 1965 when he was Chief Resident in Psychiatry at the University of Colorado School of Medicine and I was a doctoral candidate at the University of Denver. Our casual acquaintance has grown over the 40 plus years into a personal friendship, and to extensive professional collaborations that continue to this day. I was delighted to be able to present him with the Honorary President Award at the WAIMH World Congress in Paris, an award that he so markedly deserves and which expresses the world-wide respect Robert N. Emde has earned for worthy and extraordinary contributions to the field of infant mental health.

*Hiram E. Fitzgerald, Ph.D.  
Executive Director, WAIMH*

# A few introductory words from the new Editor of The Signal



First, let me introduce myself: I'm a Child and Adolescent Psychiatrist, Director of Community-based Infant Mental Health Unit, and also the current President of the I WAIMH Israel Affiliate. It is a great honor and challenge to take the editorship of our Association Newsletter, *The Signal*, after Paul Barrows has been doing such a wonderful job the last 6 years or so.

While wondering about the potential use of the *Signal* in the context of the myriad of journals and books that

are published every month, I suggest to use it as a forum of informal communication among the Affiliates of our Association. Indeed, very often, interesting clinical approaches and interventions, as well as social policies dilemmas, are not publishable in official journals, but still are very important for clinicians to know about. In addition, the value of transcultural professional exchange is inherent to the WAIMH's existence.

Still, one of the real technical problems of editing such a Newsletter is the need to „chase“ for papers under time pressure (needless to remind that we are all very busy folks!). I therefore propose the following format: Every President Affiliate would take his/her turn at collecting two papers of 6000 words each, that describe country/culture-specific approaches, programs, dilemmas that

reflect the „colors“ of infant mental health in his/her country. In addition, as president of the Affiliate, he/she would describe the activities of their Affiliate.

The first Affiliate presidents, who have agreed to take part in this plan are Campbell Paul from Australia and Marguerite Dunitz-Sheer from Austria. Each of them has contributed a paper about tube-fed infants and their parents. In my clinical experience, tube-fed infants are more and more commonly seen, as the number of extremely small premature babies is steadily increasing, and there is an urgent need to make pediatricians aware of the psychological impact of the tube on the infant's body self development as well as on the parents' perception of their baby and their contingent parenting behaviors, if one wants to prevent later psychopathology. Good luck to all of us!

*Miri Keren, M.D.*

## The transfer of the WAIMH Central Office

The transfer of the WAIMH Central Office to Finland is finally well underway. The huge undertaking of moving, not only the office physically, but all of the networks, databases, and the legal responsibilities to Finland is moving forward. Palvi Kaukonen, current Associate Executive Director, and the forthcoming Executive Director, and Minna Sorsa, the forthcoming Administrative Assistant visited the Central Office in the beginning of June. They worked very hard alongside Tina Houghton, Dee Fitzgerald and Hiram Fitzgerald to learn all of the duties and responsibilities of the Office. I believe they walked away with a much

better understanding of what will be needed when the Office moves to Tampere in August 2008. WAIMH's number one goal is to make this transition as seamless to our members

as possible and we believe that with the cooperation between the parties involved it will be.

*Tina Houghton*



*From left Pälvi Kaukonen, Hiram Fitzgerald, Minna Sorsa and Tina Houghton.*



# Book Review

## The Baby as Subject

### New directions in Infant-Parent Therapy

From the Royal Children's  
Hospital, Melbourne

Edited by Frances Thomson  
Salo and Campbell Paul.  
Stonnington Press, Melbourne,  
2007.

Reviewed by Miri Keren, M.D.,  
Israel

This book is about holding the  
sick/vulnerable infant in our own  
minds and speaking directly with  
him/her, in the parents' presence. The  
authors show, through vivid clinical  
vignettes, how understanding the

infant's experience in vulnerable  
environments, is a major Infant  
Mental Health professional's task.  
Safety, Reliability, and Truthfulness  
in the relationship between the  
parent and the infant, the therapist  
and the infant, are the three rules of  
thumb that reflect the approach to the  
baby as a subject, regardless of how  
vulnerable the baby may be.

The poignant vignette of a dying  
lively three year-old boy, illustrates  
the application of these three  
principles in the therapeutic working-  
through of the impending ultimate  
separation of the child from his  
parents and brother, and brings a  
new dimension to the role of the  
IMH therapist in these no-win  
situations. The therapist's role is  
to show the parents, as well as the  
pediatric setting, the capacity of  
these vulnerable infants to experience  
creative moments in spite of their  
suffering, and thus facilitating a new

perception of the infant as a subject.  
Special clinical situations are evoked,  
while asking about ways infants  
perceive them. For instance, what does  
the infant born of a rape glean from  
the look in his/her mother's eyes?  
Campbell Paul asks.

Modes of therapy may be variable,  
such as individual treatment with a  
withdrawn, almost autistic 28 month  
old boy with food refusal, or a mother-  
infant group psychotherapy, or a music  
therapy, but all of them should be  
characterized by "serious playfulness",  
as a new dimension brought by the  
therapist.

This book has a special flavor of  
keenness, the one that characterizes  
clinician who dare "talking true" to  
infants and toddlers, regardless of the  
nature of their suffering and prognosis,  
as the French child Psychoanalyst  
Francoise Dolto wrote and taught.

---

**WORLD ASSOCIATION  
FOR INFANT MENTAL HEALTH**  
University Outreach & Engagement  
Kellogg Center, Garden Level  
Michigan State University  
East Lansing, MI 48824-1022

Tel: (517) 432-3793  
Fax: (517) 432-3694  
Email: [waimh@msu.edu](mailto:waimh@msu.edu)

Web site: [www.waimh.org](http://www.waimh.org)

<p><b>NON-PROFIT ORG. U.S. POSTAGE PAID EAST LANSING, MI PERMIT NO. 21</b></p>
--