COMMENTARY

Why care about sleep of infants and their parents?

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Introduction

As the “guards” of the “status quo” we would like to challenge some basic assertions presented by Blunden et al.1 We have each been involved in working with parents, infants and children in clinical settings for many years and our views are clearly colored by the distress of families who are seeking our help in their struggles with sleepless nights on the one hand, and by their great relief and gratitude following brief interventions, on the other hand. However, because many of the important issues raised by Blunden et al. tend to trigger highly charged emotional responses, it is particularly important that we approach them from a rational evidence-based perspective. While we welcome and encourage healthy debate and divergent views, our ultimate responsibility as mental health and healthcare professionals is to assist parents and families in making appropriate choices by providing them with the best and most scientifically-sound information possible.

Why care about infant sleep?

Sleep problems are indeed highly prevalent in infants and young children,2-6 as well as very persistent and if not treated can last for years.5,6 From the review of Blunden et al. the reader may get the impression that having a good consolidated sleep at night is only important for the parents from their egocentric perspective (and of course to clinicians who profit from this parental distress). As scientists and clinicians we are accused of pathologizing frequent night-wakings and excessive nighttime crying. However, the scientific literature suggests that disrupted sleep patterns have direct negative impact on infants and young children. Although more research is needed to better understand the immediate and long-term consequences of early sleep problems, the existing knowledge has demonstrated that sleep problems in infancy are associated with perceived difficult infant temperament, increased likelihood of later behavior problems, compromised cognitive abilities and increased body weight.9-15 Furthermore, we have good reasons to believe that having exhausted, distressed or especially depressed parents also compromises infant development. Therefore, the implied assumption of Blunden et al. that fragmented nighttime sleep is only a problem for the parents is unjustified and essentially dismissive of the very real consequences it has on children and families.

Why care about parents’ sleep?

Infant sleep problems are indeed a major source of stress to parents. Early childhood sleep problems have been repeatedly associated with parental stress, maternal depression, reduced sense of competence, poor physical health and reduced quality of life.3,4,6,16,17 Furthermore, it has been shown that interventions for infant sleep problems lead to a significant improvement in these domains of parental well-being.8,18-22 Even if we consider the scientific literature from the “egocentric” perspective of the infant, it is certainly in the best interests of the infant to have healthy, well-rested and ultimately more responsive parents.

Is “solo sleep” such a bad invention?

Blunden et al. imply that the root of the problem is in the cultural transformation in “Westernized” societies to “solo sleep.” They describe historical processes that led to this modern invention.

Before we address this argument, it is important to emphasize that most professionals in the pediatric sleep field in fact do not make wholesale recommendations against co-sleeping or room-sharing, and support the practice if that is the life style choice of the
parents and if proper measures are taken to secure the safety of the infant. By the same token, it would be equally irresponsible and "paternalistic" to advocate for co-sleeping as the only "right" way for infants to sleep. Indeed cross-cultural studies show that this practice is largely determined by cultural and social norms and expectations. In a study on sleep and sleep ecology during the first 3 years in 18 countries it was found that most infants (more than 80%) from predominantly Asian countries shared a room with their parents throughout the first three years whereas in predominantly Caucasian countries about 50% of the infants shared a room with their parents during the first few months and these figures dropped sharply during the first year to around 10% at the beginning of the second year of life.

While the practice of co-sleeping was probably very adaptive in times when basic sleep conditions (e.g., appropriate temperature, safety from predators) could not be taken for granted and infant mortality rates were extremely high, there is very little empirical evidence to support co-sleeping as the only "correct" approach to sleep in infants in modern society. Moreover, some evidence suggests that it may be detrimental. Although sharing a room with the child was the tradition and norm in the predominantly Asian countries in the study quoted above, the parents in these countries reported later bedtimes, shorter nighttime sleep and more night-wakings, and were more likely to consider their child's sleep as a problem in comparison to parents in predominantly Caucasian countries. These findings are in line with other studies (including experimental studies) indicating that co-sleeping is usually associated with more fragmented sleep and less deep sleep for both infant and parents. Furthermore, some evidence suggested that co-sleeping is more stressful and associated with more intense responses to stress in infants than solitary sleep.

**Are we teaching parents to ignore their crying babies?**

One of the main claims raised by Blunden et al. is that clinical interventions for infant sleep problems encourage parents to ignore their crying infants during the night and that this may seriously compromise infant-parent attachment security. Indeed it is unfortunate that behavioral labels such as "extinction" or "controlled crying" provide unnecessary disturbing connotations to these interventions. However, it should be emphasized that the vast majority of modern behavioral interventions are based on some degree of continued caregiver response to the infant throughout the sleep initiation or resumption process. Some methods recommend continuous presence of the parents next to the infant crib and that of our colleagues in pediatric sleep medicine, is decidedly dismissive or neglectful of their infants, but rather to assist them in their clinical work.

In addressing these and related questions, ultimately, our goal, and that of our colleagues in pediatric sleep medicine, is decidedly not to encourage responsive and caring parents to become dismissive or neglectful of their infants, but rather to assist them in becoming "good enough parents" with well-rested babies.

**Conclusions**

Although we have outlined our reservations regarding the main issues raised by Blunden et al. we believe that the following topics should be addressed in future research and clinical practice:

1) Which infants and parents are most likely to benefit from these evidence-based interventions and are there any vulnerable populations of infants or parents that may suffer negative consequences?

2) To what extent is there a need to tailor clinical interventions to the age and the developmental stage of the infant or to other characteristics of the infant and the parents?

3) What is the relationship between sleep self-regulation and the acquisition of other self-regulatory (e.g., feeding, toileting) skills?

**Conflict of interests**

The authors serve parents of sleep-disturbed infants and children in their clinical work.

**References**


