Health Care Professionals and Intersex Conditions

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As part of a larger project, a multidisciplinary group convened by The Hastings Center, Garrison, NY, met to consider medical, psychosocial, and ethical issues associated with the care of children born with atypical genitalia or later found to have other conditions now commonly grouped together as “intersex.” These children may have congenital adrenal hyperplasia, gonadal dysgenesis, hypospadias, partial or complete androgen insensitivity syndrome, etc. This commentary reflects the deliberations of the group, which concluded that none of the appearance-altering surgeries need to be performed quickly; families with children with intersex conditions require multidisciplinary care; children with intersex conditions deserve to know the truth about their bodies; families and health care professionals will benefit from rigorous longitudinal studies; and health care professionals need additional training about intersex conditions and sexual health generally.

Parents and physicians of children with intersex conditions rarely know about the condition before birth. The recognition that a child does not appear typically “male” or “female” prompts distress, confusion, and uncertainty, no matter the age at diagnosis. When health care professionals attempt to determine a “true” biological or underlying sex of the child or inappropriately communicate an urgent need to undertake a surgical “fix,” they wrongly substitute these interventions for focusing on the families’ discomfort, guilt, and/or sense of shame. All should understand that a decision to raise an infant as a boy or girl in no way depends on surgery, per se. Chromosome analysis and pelvic ultrasonography, as well as some endocrine testing, may help make a precise diagnosis; however, test results do not accurately predict later sexual identification.

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The need for slow, deliberate, and careful explanations; psychological and social support; offers of contact with other people who have experienced similar situations (especially adults who have lived with the child’s condition); and exploration of a wide range of alternative courses of action seem essential. In the past, intervention has sometimes begun long before disclosure to or consultation with the child, despite a lack of physiologic justification. Initial surgeries may beget more operations in order to correct problems arising from those performed previously. Drug treatments may further alter the child’s appearance and/or mood, again
Many sent down the road of early “treatment” now express their discontent. Physical discomfort associated with repeated surgical procedures and/or the sequelae of those interventions have dominated their lives. A good number have diminished sexual responsiveness and pleasure as a result of “cosmetic” surgeries undertaken when they had no opportunity to participate in decision making. Such reports and the results of retrospective reviews have led 2 groups of pediatric urologists to urge reconsideration of early surgery. Some patients have experienced humiliation at the hands of physicians (violations of privacy and dignity) and endured secrecy and confusion in and disruption of their relationships, especially with parents—who have themselves suffered in the web of deception—and health care professionals. Because of all this, treatment approaches recently recommended by the American Academy of Pediatrics, Elk Grove Village, Ill, and a task force of the Lawson Wilkins Pediatric Endocrine Society, Stanford, Calif, and the European Society for Paediatric Endocrinology, London, England, have begun to receive reappraisal by other medical professionals. Notably, the guidance documents lack justification based on valid clinical investigation. While critiques of the recommendations by experts may signal growing variability in practice, many presumably continue to rely on these professional recommendations. Our own experience suggests substantial disagreement within the endocrinology and surgical communities in pediatrics, even within single institutions.

Controversy remains about the levels of satisfaction with surgical outcomes and general well-being among those treated for intersex conditions in the past. We have no rigorous and unbiased studies of the long-term effects of medical interventions, in part because of practices of keeping individuals with intersex conditions in the dark about their histories. Without diagnostic candor, meaningful follow-up studies are difficult, if not impossible. Ethical practice requires such studies. To their credit, some who treat patients with intersex conditions, such as pediatric urologist Ian Aaronson, MD, have begun efforts to design and conduct proper studies, as discussed at an October 2001 meeting at the National Institute of Child Health and Human Development. However, nothing has come to fruition thus far. When research planning does begin, it should address: (1) how the patients have felt and now feel about their medical care; (2) what should count as positive or negative outcomes (subject satisfaction with sexual functioning, subject comfort with gender identity, genital appearance, and so on); (3) the impact of changing surgical techniques—results of operations done 15 to 20 years ago may not predict outcomes for newer surgeries; and (4) deficiencies in some completed follow-up studies conducted by members of the original treatment teams that raise questions about the willingness of patients to express candidly negative feelings to those who provided well-intentioned care. Secrecy breeds shame and does not serve the interest of patients and other family members, though it has shielded some adults—parents and medical professionals—from accountability for their decisions. While studies will have to confront the heterogeneous nature of the intersex population, we believe sufficient commonalities exist to permit meaningful research results.

We conclude:

- The field should undertake a comprehensive assessment of actual practice. What do endocrinologists, pediatric surgeons, pediatric urologists, and others recommend? What operations do surgeons use, on which patients, at what ages, and with what outcomes?
- Surgical techniques that make children’s genitals appear more normal and operations that produce less physical damage than earlier techniques would not alone provide justification for surgery. Good clinical practice demands attention to the social and cultural context into which children are born. Health care professionals should acknowledge that surgery will not end discrimination against persons with physical differences from the “norm.”
- None of the appearance-altering surgeries need be done urgently. Surgery to normalize appearance without the consent of the patient lacks ethical justification, in most cases. Some surgeons argue that technical considerations warrant intervention in the first year of life to fashion typical female anatomy. However, we do not know if surgical expediency outweighs the psychosocial and ethical considerations of waiting until the patient can participate in decision making. The irreducible nature of surgery should make everyone extremely cautious.
- Families with children with an intersex condition require a comprehensive package of services immediately following diagnosis. The approach should include access to suitably qualified social workers and/or other mental health professionals and referral to parent-to-parent programs, support groups, and adults living with the same or a similar condition. Centers lacking social work/mental health personnel with specific expertise in intersex conditions should nevertheless provide team care using psychosocially trained professionals interested in and experienced with helping families face medical and social ambiguity across extended periods. Teams offering care for patients with intersex conditions should add requisite experts as available or assist current staff with appropriate professional development. The lack of local social work and/or mental health expertise cannot become an excuse for circumventing needed psychosocial support.
- Children have the right to know about their bodies. Professionals and parents should tell children, in an age-appropriate fashion, about how and why they have anatomical differences from others. The differences should provide opportunities to explore the value of individuality and diversity, not occasions for humiliation and shaming.
- Ethical practice demands rigorous follow-up studies. The goal of achieving real patient benefit mandates...
A 15-member multidisciplinary panel from the Hastings Center Surgically Shaping Children Group, Garrison, NY, has proposed guidelines for the management of children with intersex conditions. While based on a comprehensive and careful deliberation of multiple issues pertaining to intersexuality, these guidelines fail to acknowledge many of the obstacles and uncertainties faced by practicing health care professionals today. Thus, the goal of this commentary is to offer an appraisal of these recommendations under the lens of a pediatric endocrinologist grappling with the real life challenges of providing compassionate and responsible care to infants with intersex conditions and their families. Each conclusion made by the Hastings Center will be presented and discussed.

According to the Hastings Center group, none of the appearance-altering surgeries need be done urgently and surgery to normalize appearance without the consent of the patient lacks ethical justification, in most cases.

Decisions regarding whether and when to perform early genital surgery in infants with intersex disorders are undeniably among the most difficult. Historical claims of a family's ability to accept and unconditionally love their child. Recent reports of comparable degrees of satisfaction and dissatisfaction with sex of rearing, body image, and sexual function in 46, XY intersex individuals: phenotypic and etiologic classification, knowledge of condition, and satisfaction with knowledge in adulthood. Pediatrics [serial online]. 2002;110:616-621.


complete education about its potential risks, the effects of unilaterally denying this option for a decade or more could surely be disastrous. Therefore, until rigorous comparisons of psychosexual function in patients receiving early genital surgery using modern techniques vs no early genital surgery have been conducted, only 2 conclusions may safely be made. First, the ultimate decision regarding early surgery rests with the parents and should be made in the context of their own cultural beliefs only after a detailed and comprehensive review of all options, opinions, and available outcome data. Affording parents this authority does not present an ethical dilemma, since in our society all major decisions regarding minor children are traditionally made by parents. Second, when early genital surgery is performed, it should be undertaken by surgeons in centers of excellence with particular expertise in the care of patients with intersex conditions.

According to the Hastings Center group, families with children with intersex conditions require multidisciplinary care and the lack of local social work and/or mental health expertise cannot become an excuse for circumventing needed psychosocial support.

It has long been acknowledged that psychological counseling and support should be an integral component of the multidisciplinary standard of care for children with intersex disorders, and we agree with this approach. Unhappily, it has also been demonstrated that care, if any, centers actually follow such a model. In reality, it often falls to the pediatric endocrinologist to guide the family through the initial distress and subsequent decision-making process that follow the birth of an infant with an intersex condition, a situation that is clearly suboptimal. However, failure to provide mental health expertise may not indicate deliberate circumvention but may result from a deep reluctance on the part of the family to comply with psychological follow-up. Having personally been told on more than one occasion that “God is my psychiatrist,” physicians can no more force families to avail themselves of counseling than request that they reorient their religious beliefs. Efforts to train qualified mental health practitioners must continue with the goal of establishing in situ intersex teams through which it is conveyed to families that a multidisciplinary approach is assumed in both initial and ongoing management.

According to the Hastings Center group, children with intersex conditions deserve to know the truth about their bodies. Previous medical practices advocating secrecy and the withholding of accurate information from patients with intersex conditions have been rightfully denounced. In their place we are left with a vague mandate to provide age-appropriate explanations to children with intersex conditions regarding why and how they are different from others. Precisely who should deliver this information, with what words, at what time, and in what form (written vs verbal vs pictorial) has never been explicitly stated. Thus, we muddle along in our attempts to provide full disclosure in ways that respect the psychological vulnerability of the child, the inherent sensitivity of the subject, and the parents’ wishes regarding whether to reveal the diagnosis, which are sometimes in direct conflict with our own. Clearly, health care professionals taking care of children with intersex conditions need more specific guidance than that which is currently offered.

According to the Hastings Center group, ethical practice demands rigorous follow-up studies.

Agreed! It is essential to recognize that anecdotal case reports, no matter how compelling, should never dictate medical practice. Rather, prospective, long-term multicenter trials are vital in establishing outcomes and informing clinical management. Advances in molecular genetic analysis will enhance the ability to make a precise diagnosis, while the development of creative consortia focused on intersexuality will foster scientific inquiry and collaborative research endeavors.

According to the Hastings Center group, health care professionals need additional training about intersex conditions and sexual health generally.

While information regarding human sexuality and the need for tolerance regarding diversity should be incorporated in the education of all health care professionals, it is unlikely that a general inclusion of these topics will contribute substantially to the care of children with intersex conditions. Rather, the development and implementation of intensive short-term programs geared toward the infusion of individuals with special expertise into the healthcare system would likely be a more effective approach. Participants in such programs could include physicians, nurses, social workers, psychologists, parents, and adult patients who could provide an important liaison role between individual families and the health care team.

Much has been written recently regarding the management of children with intersex conditions. Despite apparent differences, significant common ground may be identified. The next phase in the shifting evolution of current management protocols must be devoted to obtaining objective information regarding outcomes in various conditions. During this critical time, it will be essential to avoid polarization and to engage in an honest, empathetic exchange with the common goal of providing the best possible care to children with intersex conditions and their families.

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