Elsewhere in this issue of Pediatrics there appears an important article pointing to the hazards of using a disease label to describe a common, usually normal physiologic variant, regurgitation in small infants: “Influence of ‘GERD’ Label on Parents’ Decision to Medicate Infants with Excessive Crying and Reflux” by Scherer et al.1 The authors’ concern is that acid-reducing medications are being overused and are rarely indicated. There are a few methodologic issues in their presentation, some of which they discuss, but their evidence is clear that use of the disease label “gastroesophageal reflux disease (GERD)” to diagnose any such regurgitation and crying makes parents more likely to favor the use of medication for the condition, even when there has been no confirmation by endoscopy, and even when the drug offered is acknowledged as being unlikely to be effective. This is compelling evidence that the choice of words by physicians can significantly affect parents’ views of their children’s health. As Scherer et al put it, “…physicians’ language can play a role in the process of medicalization and overtreatment.”

About half of normal, healthy infants in the first 6 months of life have enough daily regurgitation to be annoying to parents. This “spitting up” typically disappears spontaneously between 6 and 12 months. The use of the GERD label is appropriate only when the reflux is causing troublesome symptoms and there is support for the diagnosis from endoscopy. “Reflux is not a common cause of unexplained crying, irritability, or distressed behavior in otherwise healthy infants.”2 Also, about 20% of healthy infants between 1 and 4 months cry “excessively” (presumably more than 3 hours a day most days) and are usually said to have infantile colic.3 Despite controversy over the definition and causes of colic, the preponderance of evidence points to the usual contributory factors of: a) a physiologic or temperamental predisposition to be sensitive, irritable, and hard to soothe; b) parental misunderstanding about how best to handle such an infant; and c) the underlying neurologic immaturity and vulnerability of those first few months. The most effective management of colic has repeatedly been demonstrated to be parent counseling, with only rare use of medication. There is little support in the scientific literature for routine drug treatment of either reflux or colic.

Although this study was a questionnaire study assessing parental views of a hypothetical situation, not actual clinical cases, and the investigators did not assess physician thinking on management other than their choice of the diagnostic designation, the evidence here argues strongly against the use of a pathologic diagnosis when a disease has not been established. This study demonstrates that the labeling of any regurgitation as a disease makes parents more likely to want to use a medication. One must ask whether it is adherence to the principles of evidence-based medicine to recommend use of
an ineffective drug for a condition that has not been confirmed by appropriate evaluation. We are informed that this is happening frequently.

Such overdiagnosis gives parents the impression that their child is sick, when that is not so, and makes them likely to believe that medication is necessary. They may also think that their infant has a defect that will somehow continue and may make the child susceptible to this or other diseases in the future, as documented in the common but inadequately appreciated phenomenon of Vulnerable Child Syndrome.4

Forty years have now passed since this journal published two related articles on similar topics: “Avoiding pediatric pathogenesis in the management of acute minor illness,”5 and “Dealing with unnecessary medical trauma to children.”6 Their impact in the interim is not known. This paper should reinforce the need to focus attention on pediatric pathogenesis and strengthen efforts to reduce it. The way we identify and deal with annoying normal or insignificant variations and how we discuss them with parents makes a big difference in the quality of care.

REFERENCES

The Hazards of Medicalizing Variants of Normal
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