Case Report

Pica; A psychiatric syndrome with surgical consequences

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Introduction

Pica is an eating disorder typically defined as the persistent eating or mouthing of non-nutritive substances. The condition’s name comes from the Latin word for magpie, a bird that is reputed to eat almost anything [1-4]. Pica is seen in all ages, infants, children, elders, those with developmental disabilities (autism or mentally retarded) and in pregnant women. The true incidence of pica is not known but it is estimated to be 75% in infants, 15% in two-three year old toddlers and 10-33% among the institutionalized mentally retarded children [5,6]. This paper reports the management of a 18 year old patient with PICA disorder.

The condition has been described in medical journals for centuries [7-9]. One of the first cases of pica was noted in 6th century AD and was observed in a pregnant woman [7]. Since then, many cases of pica have been reported where patients have acknowledged ingesting ice cubes (pago-phagia), clay (geophagia), dried pasta (amylophagia), chalk, starch, paste, Kayexalate resin (resinphagia), tomatoes, lemons, cigarette butts, hair, lead, and launder-dry starch (for example, Argo out of the box) [7-13]. Although pica is most prominent in individuals with developmental disabilities, it has been observed in men and women of all ages and ethnicity, but is more prevalent among the lower socioeconomic classes [9,10].

Worldwide, 25% to 33% of all pica cases involves small children, 20% are pregnant women, and 10% to 15% are individuals with learning disabilities [14]. A small percentage of patients have iron deficiency anemia. Pica poses significant health risks that often require medical interventions. These patients are susceptible to electrolyte and metabolic disorders, lead and mercury poisoning, hypokalemia (from resinphagia), parasitic infections, tooth wear, intestinal obstruction, and various problems of the gastrointestinal tract [9,12-15].

Observation

A 17-year-old girl, developing and growing appropriately for age, was brought to emergency by her father with the chief complaint: abdominal pain. On general physical examination the patient was mild anemic with pallor, well oriented, conscious on oral examination with generalized blanched mucosa. Examination of the abdomen found a generalized contracture and an abdominal mass. The white blood cell count 18,000.

Ultrasound and CT scan revealed the presence of a foreign body in the stomach and the small bowel. The patient was admitted to the operating room. At the opening of the abdomen, the stomach is very

Figure 1. Giant gastric Trichobezoar.

Figure 2. Electric wire perforated the small bowel.

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hard like a cancer. We practice a gastrostomy; is removed a huge Trichobezoar simulating the stomach anatomy (Figures 1 and 2).

Discovery of an electric wire which perforated small bowel. This thread extends over the whole length of the intestine and even the colon and the rectum where it is palpable. Extraction of the foreign body is done by enterotomy. The patient died a few hours after the procedure due to septic shock. On further explicit questioning about particular eating habits, the patient reluctantly disclosed an almost daily consumption of hair and other substances not specified by her family.

References
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