A 17-year-old female presented with a 3-day history of abdominal pain following physical exertion, which was subsequently localized to her right iliac region. She experienced severe pain in her right iliac region, exacerbated by coughing, sneezing, or any physical activity, accompanied by nausea and chills. With rest, the symptoms abated. She denied vomiting, reported regular bowel habits and urination, and had no previous surgeries or allergies.

A physical examination revealed a distended abdomen with normal bowel sounds and no rebound tenderness. Palpation elicited pain in the hypogastrium, right and left iliac regions. Although the Blumberg and Rovsing test results were negative, she displayed positive Lapinski, Psoas, Dunphy, and Obturator signs. Computed tomography (CT) revealed appendicitis with an associated foreign body (Figure 1).

Upon performing a videolaparoscopic appendectomy, a toothpick perforating the patient’s appendix was detected (Figure 2). On the first postoperative day, she reported no complaints, and there were no signs of active bleeding from the surgical site. She was discharged subsequently and scheduled for outpatient follow-up.

Acute appendicitis secondary to foreign body ingestion is rare (0.0005-3% of all cases of acute appendicitis),1 and there are no established guidelines for its management.2 The accidental ingestion of foreign objects with food or intentional ingestion is more prevalent in children, adults with psychiatric disorders, alcoholics, prison populations, or individuals who are careless, eat hurriedly, have decreased visual acuity, or have dental implants.3,4

Once inside the gastrointestinal tract, these objects typically do not cause adverse outcomes, with complications such as perforation, obstruction, hemorrhage, and fistula documented in < 1% of all cases.1-5 Perforation occurs more frequently with pointed and sharp objects.3,4 Once the intestinal wall has been perforated, the foreign body can persist in the intestinal lumen near the damaged area, enter
When appendicitis is triggered by a foreign body, the onset of symptoms may vary from hours to years since the inflammatory process and the organism’s reaction do not always commence immediately. This timeframe is influenced by the size and shape of the object, as well as the position of the appendix. It is considered that the onset of symptoms may be accelerated by sharp or pointed foreign bodies.

X-ray, ultrasound, and CT are notable among the imaging methods employed, with CT being considered superior for diagnosing suspected cases. However, imaging modalities may not always detect an ingested foreign body. Only 14% of ingested toothpicks are detectable through imaging examinations. Toothpicks, being made of wood and thus radiolucent, are often not visible on plain radiographs or CT scans. However, toothpicks that have been ingested can appear hyperdense on CT scans, similar to the findings in our case. In a case series by Yang et al., the rate of diagnostic accuracy of CT scans for wooden or bamboo toothpicks was determined to be 100%.

In patients developing appendicitis secondary to an ingested foreign body, surgery should be performed to remove the foreign body and treat any perforations if present. Videolaparoscopy facilitates the removal of foreign bodies and enables a more thorough assessment of adjacent abdominal organs when exploring for injuries.

Informed consent was obtained from the patient described in this report.

**Informed Consent:** Informed consent was obtained from the patient described in this report.


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**REFERENCES**