A swallowed fishbone penetrating the oesophagus into the sternomastoid muscle

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نفاذعظمة سمك مبتلعه من المريء الى عضلة في الرقبة

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المستخلص: إبتلعت إ مرأه بعمر الأربعين عظمة سمك قبل ساعة من حضورها إلى مستشفى الرستاق• وحيث أن الفحص الشعاعي كان سلبيا تم تطمين المريضة وعادت الى البيت• وبعد عشرين يوما حضرت تشكو من آلم وتحسس في الرقبة وأمكن لمس العظمة في العضلة الأمامية اليسرى في الرقبة تحت الجلد وتم استخراجها تحت البنج الموضعي.

ABSTRACT. A 40-year-old woman presented with the history of swallowing a fishbone one hour earlier. Since the patient was swallowing normally and the X-ray results were negative, she was reassured and sent home. Twenty days later, when the patient again presented with pain and tenderness in her neck, the fishbone was detected in the left sternomastoid muscle, and removed under local anaesthesia.

CCIDENTAL SWALLOWING OF FISHBONE IS very common in fish eating communities and usually the swallowed bone is small or soft and will pass down the gut without consequences. Still the medical literature contains many reports of fishbone or similar foreign bodies stuck in the throat or penetrating the pharynx, oesophagus or stomach¹ causing retropharyngeal abscesses, and ediastinal abscesses, or even penetrating the pericardium causing cardiac tamponade. This report documents an unusual case where a fishbone penetrated the oesophagus and settled in the left sternomastoid muscle.

THE CASE

A 40-year-old woman presented to the casualty department of Rustaq Hospital, Rustaq, Sultanate of Oman, with a history of swallowing a fishbone one hour earlier with the bone stuck in the upper oesophagus at the level of suprasternal notch. Examination of the throat did not show any abnormality and no foreign body could be detected. As the patient was swallowing fluids and solids normally and X-ray of the neck did not show a shadow in the neck, the patient was reassured and sent home .Two days later she came back with persisting pain in the anterior aspect of the left lower neck but she reported that she was taking food normally. On examination there was diffused tenderness over the left side of the lower neck but no palpable lymph nodes or

mass. Examination of hypopharynx was negative. Ten days later she was reviewed at the ENT clinic and only tenderness over the lower part of the left sternomastoid muscle was noticed.

The patient presented on the 20th day after the incident with a painful swelling in the left lower neck and was referred to the surgical clinic as cervical lymph node enlargement. The patient was in good general condition and vital signs were normal. Local examination of the neck revealed tender induration of the lower part of the left sternomastoid muscle [Figure 1]. Aspiration was non productive but during examination, the presence of a sharp point was felt in the subcutaneous plane. Exploration under local anaesthesia showed localised inflammatory indurations in the muscle just above its attachment to the clavicle. A 3 cm long thin fishbone with one sharp end was located and removed from the indurated area in the muscle. Post operatively the patient developed a serosanguinous fluid collection of 3 ml in the wound. This was aspirated, and the culture yielded negative results. On further follow up, the area of tender indurations resolved completely.

DISCUSSION AND CONCLUSION

In this case the patient was fortunate in that the fishbone did not penetrate into more vital tissue or structure and no deep infection developed.

The forces driving a foreign body through the wall of



Figure 1. Induration visible as on the 20th day of fishbone impaction

the oesophagus and the forces directing its passage to the ultimate site need some consideration. (1) The intraluminal pressure in the oesophagus may force a transverse or oblique positioned sharp foreign body through the wall of the gut. (2) The site of penetration in the oesophagus may play a role in the track of movement and site of settlement. (3) A foreign body under the forces of gravity and pressure in the surrounding tissues tends to move towards planes of least resistance, and like pus, will find its way out.

X ray, especially routine exposures, does not always help detect a relatively delicate object such as a fishbone. An ultrasound study of the neck and intraoesophageal probe may yield better results. When patients present with persistent complaint of a foreign body sticking in the throat or oesophagus, the physician should conduct a direct examination of the pharynx and oesophagus and even the stomach, to trace the foreign body and check for the site of penetration, and take all possible measures to retrieve the object.

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