Introduction:
Textiloma is the technical term, derived from Latin "textilis", a woven fabric, and the suffix "-oma", meaning a tumor or swelling. It is a historical term referring to pseudo tumor formation and inflammatory reaction caused by a foreign body or retained non-absorbable cotton matrix left behind mistakenly in the patient's body. They usually occur after abdominal or gynecological surgery. The incidence of Textiloma is difficult to calculate as some patients remain asymptomatic and are never discovered. This condition is often underestimated because case numbers are calculated only on the basis of malpractice claims. Another reason of under-reporting of occurrences is due to the fear of medicolegal repercussions.

Case report:
Mrs. X, 30 years old, hypothyroid, presented with foul smelling excessive whitish per vaginal discharge, associated with itching in vulva & pain in the lower abdomen following caesarean section 3 months back. Her uterus was palpably enlarged and firm. USG revealed bulky uterus with wall echo shadow sign. A CT scan of whole abdomen was done that revealed intra-uterine textiloma. During laparotomy huge amount of pus came out through wound and a mob was found within the uterine cavity. Textiloma is a rare problem of surgery arising from retained gauze during operation. Careful counting of surgical gauze before closure and identification by newer techniques is required to prevent this iatrogenic complication.

Abstract:
A 30-years-old hypothyroid lady, presented with foul smelling excessive whitish per vaginal discharge, associated with itching in vulva & pain in the lower abdomen following caesarean section 3 months back. Her uterus was palpably enlarged and firm. USG revealed bulky uterus with wall echo shadow sign. A CT scan of whole abdomen was done that revealed intra-uterine textiloma. During laparotomy huge amount of pus came out through wound and a mob was found within the uterine cavity. Textiloma is a rare problem of surgery arising from retained gauze during operation. Careful counting of surgical gauze before closure and identification by newer techniques is required to prevent this iatrogenic complication.

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adhesions were separated. Anatomy of pelvis and lower abdomen was distorted. Uterus was buried in adhesion. Previous scar of C/S was opened during mobilization and huge amount of pus came out through wound and a mob was found within uterine cavity. Mob removed and TAH and BSO were done. Post operative period was uneventful and patient was discharged after recovery.

**Discussion:**

Despite all considerations during operation, retained gauzes are still one of the major problems. Textiloma or gossypiboma usually occurs in one out of 100 to 3000 of all surgical investigations and one out of 1000-15000 intra abdominal operations. The incidence of retained foreign bodies following surgery has a reported rate of 0.01% to 0.001%, of which Textilomas make up 80% of cases.\(^1\)

Because the symptoms of Textiloma are usually nonspecific, depends on the location of the sponge and the type of reaction and may appear years after surgery, The diagnosis of Textiloma usually comes from imaging studies and a high index of suspicion. Common symptoms and signs of Textiloma are – abdominal distention, tenesmus, pain, palpable mass, vomiting, weight loss, diarrhea, abscess, and fistula formation.

Surgical sponges are made of cotton that does not stimulate any specific biochemical reaction except adhesion and granuloma formation. They may be a cause of an asymptomatic condition for a long time.
Textiloma can have two different types of body responses: exudative and aseptic fibrous. The latter can have adhesions, encapsulation, and, eventually, granuloma formation. However, the former usually occurs early in the postoperative period and may involve secondary bacterial contamination, which results in various fistulas.²

Possible causatives of sponge retention are - emergency surgery, unexpected change in the surgical procedure, disorganization, hurried sponge counts, long operations, unstable patient condition, inexperienced staff, inadequate staff numbers and patient with high body mass index (BMI). Of these risk factors, the most significant risk factors are - emergency surgery, unplanned change in the operation and BMI. There is 9-fold increase in risk associated with emergency surgery.

Textilomas most commonly occur in the abdominal or pelvic cavity, as after gynecologic and upper abdominal surgical procedures. Much of the Textilomas (75%) are identified only after abdominal or pelvic surgery. Textiloma has also been reported after - neurosurgery (Intracranial, spinal), chest surgery, maxillofacial surgery.

Retained surgical sponges can cause serious consequences such as - bowel or visceral perforation, obstruction or fistula formation, sepsis or even death. Intra-abdominal Textilomas can migrate into the ileum, stomach, colon or bladder without any apparent opening in the wall of these luminal organs. It is difficult to recognize a Textiloma by using radiological screening if the sponge does not have any radiological marker on itself, because the cotton can simulate hematoma, granulomatous process, abscess formation, cystic masses or neoplasm. Textiloma can have atypical calcification and air bubbles as well. Many radiologic findings are characteristically used to diagnose Textiloma.³ If the sponge contains a radiopaque marker, the diagnosis can be made easily by conventional radiography. However, the retained sponge might not be identified at conventional radiography if a radiopaque sponge breaks into pieces or if the marker becomes bound or folded. The sonographic findings are a well-defined mass with a wavy hyperechoic area and dense acoustic shadowing. On CT scans, a retained sponge is typically seen as a well-defined soft-tissue mass and may show a whorled texture or a spongiform pattern with contained gas bubbles. Calcification of the wall of the mass may be observed on CT scans.⁴

To prevent Textiloma, sponges are counted by hand before and after surgeries. This method was codified into recommended guidelines in the 1970s by the Association of periOperative Registered Nurses (AORN).⁵

Four separate counts are recommended: the first when instruments and sponges are first unpackaged and set up, a second before the beginning of the surgical procedure, a third as closure begins, and a final count during final skin closure. In most countries, surgical sponges contain radiopaque material that can be readily identified in radiographic and CT images, facilitating detection. Some surgeons recommend routine postoperative X-ray films after surgery to reduce the likelihood of foreign body inclusion. Newer technologies are being developed that will hopefully decrease the incidence of retained foreign body, like radiofrequency identification (RFID).⁶ In this technology, commonly used surgical gauze sponges, which have been tagged with a radiofrequency identification (RFID) chip scanned with a barcode scanner.

Conclusion:
Textilomas are uncommon, mostly asymptomatic, and hard to diagnose. Particularly chronic cases do not show specific clinical and radiological signs for differential diagnosis. Textiloma should be included in the differential diagnosis of soft-tissue masses detected in patients with a history of a prior operation. Patient-clinician and clinician-radiologist interactions and compliance enhance the possibility of accurate diagnosis.

References:
3. Lu YY, Cheung YC, Ko SF, Ng SH. Calcified reticulate rind sign: a characteristic feature of gossypiboma on computed tomography. World J Gastroenterol 2005