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The canal of Nuck is a peritoneal evagination that accompanies the round ligament through the inguinal ring into the labia majora. Rarely it can remain patent after birth, allowing for development of cysts or indirect inguinal hernia.

A 17-year-old woman was referred to our department for a 10x4 cm tense-elastic mass starting from the anterior third of right labium (Figures 1-2). The differential diagnosis include cyst or hernia of the canal of Nuck, Bartholin's cyst, soft tissue tumor or enlarged lymphnodes.

The surgical management consisted of incising the labial skin at the apex of the cyst (Figure 3) and dissecting the skin plane from the wall of the cyst up to the inguinal ring (Figure 4). The cyst was enucleated intact, the inguinal ring was closed with a purse string suture, the subcutaneous tissue with a mass-closure technique and the labium was reconstructed with absorbable continuous suture (Figure 5).

Figure 1. Vulvar mass

Figure 2. Mass reduced

Figure 3. Cyst revealed

Figure 4. Canal of Nuck cyst

Figure 5. One month post-op

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