

## A novel method to insert drain atraumatically after liposuction in gynaecomastia

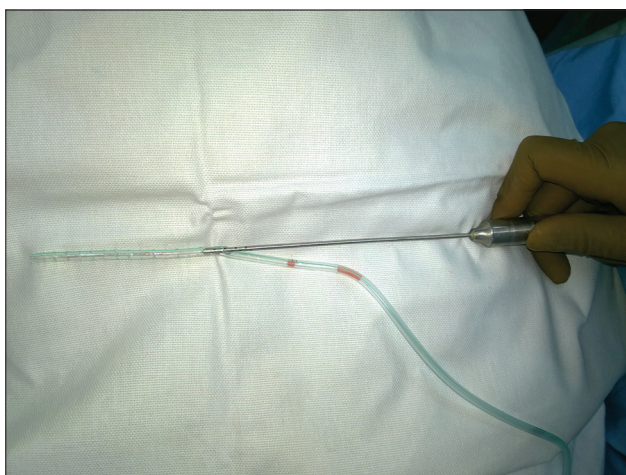
Sir,

Gynaecomastia is a complex benign condition characterised by enlargement of male breasts affecting mainly the young population. It can be caused by hypertrophy of the ductal tissue, stroma and/or fat. Surgery remains the mainstay of the management. It can be managed by direct excision, liposuction, combination of direct excision and liposuction.<sup>[1]</sup> According to the literature, the overall complication rate for gynaecomastia surgery is 15.5% with the highest rate in Grade 1 patients.<sup>[2]</sup> The reported complications are seroma, minor bleeding, skin dehiscence, wound

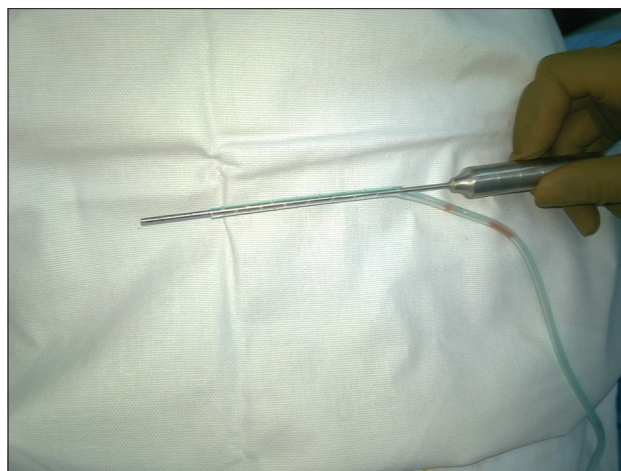
infection and haematoma necessitating evacuation in operation theatre. Drain placement is routine after liposuction of severe gynaecomastia. This is achieved blindly and forcefully with the help of an artery forceps. This may cause injury to the skin or underlying muscle.

The famous surgeon, Illouz, published his ten commandments for liposuction in 1989.<sup>[3]</sup> The pertinent points were (1) surgeon should use only small blunt cannulas and (2) the technique demands blind surgery which reiterates the experience surgeon should have. Inspired from these principles we developed an atraumatic method to insert the drain after the liposuction. The steps are as follows:

- Step 1 [Figure 1] – Take a fine blunt infiltration cannula and the drain going to be inserted
- Step 2 [Figure 1] – Make a hole on the surface of drain tube with the help of No. 11 blade
- Step 3 [Figure 2] – Insert the infiltrating cannula into the drain tube



**Figure 1:** With the help of a No. 11 blade make a slit on the surface of the drain going to be inserted. Insert the infiltration cannula used for tumescence infiltration into the slit and advance



**Figure 2:** After advancing the infiltration cannula through the drain



**Figure 3:** Use the same port through which infiltration had been done. Insert the infiltration cannula which carries the drain

- Step 4 [Figures 3 and 4] – Use the port used for infiltration again to insert the drain with the help of infiltrating cannula. Cannula being blunt there is no risk of injury while inserting. Remove the infiltrating cannula leaving the drain. Drain can be removed after 24–48 h.

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**Conflicts of interest**

There are no conflicts of interest.

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**Figure 4:** Withdraw the infiltration cannula. Hold the drain part at the entry site so that drain stays in the same position, and fix the drain

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