3) Chicken breast performed moderately in all of the categories assessed, however due its limited size we found it unsuitable.

The teaching session was very well received by the candidates.

Conclusions Pork belly provides an effect tissue medium for practicing US guided venous access and needling.

Background and Aims The cervical plexus block (CPB) is used in a variety of head and neck surgeries providing efficient anesthesia and analgesia. It can be divided into superficial (above superficial fascia of the neck), intermediate (between superficial and prevertebral fascia) and deep (below prevertebral fascia) CPB. We studied the postoperative analgesic efficacy of intermediate CPB on thyroid surgery and the degree of phrenic nerve blockade caused by the block.

Methods 14 patients scheduled for thyroid surgery were randomized into two groups of 7; Group A received bilateral intermediate CPB using 15 ml ropivacaine 0.375% along with paracetamol and dexketoprofen upon patient’s demand, for postoperative analgesia. Group B received the same painkillers without CPB. The primary outcome of our study was diaphragmatic excursion on the right side, preoperatively and immediately postoperatively, measured ultrasonographically by a POCUS experienced anesthesiologist during forced inspiration. We additionally measured diaphragmatic thickening fraction as long as time for first analgesic demand and pain scores (NRS) in 6 and 24 hours postoperatively.

Results Postoperatively the diaphragmatic excursion decreased in both groups, but it decreased more in Group A (46 ±6mm vs 48 ± 5mm), nevertheless statistically and clinically insignificantly (p>0.05). Thickening fraction was > 25% in all instances. In group A, we observed longer time for first analgesic demand postoperatively and lower pain scores in all instances.

Conclusions Intermediate CPB can be an effective and safe method for postoperative pain control in thyroid surgery. Diaphragmatic dysfunction due to the block seems to be insignificant, but larger studies are needed to confirm this observation.

Background and Aims This study was aimed to evaluate and compare the preoperative fasting gastric volume (GV) in diabetic and non-diabetic older adults undergoing staged bilateral total knee arthroplasty (TKA) using ultrasonography.

Methods This was a prospective non-randomized and comparative study of 38 older adults aged over 65 years who were scheduled for staged bilateral TKA. All participants were fasted from midnight. Patients diagnosed with diabetes mellitus (DM group, n=19) or not (non-DM group, n=19) were matched for age, sex, and body mass index. The primary outcome was residual GV assessed by ultrasonography.

Results The GV was significantly different between the DM group [75.1 (43.2) mL] and the non-DM group [35.9 (25.9) mL] at second TKA (P=0.002), but not at first one (P=0.096). In the comparison of GV within the group, GV was larger in the second TKA compared with first operation, in both DM (P<0.001) and non-DM (P=0.018) groups. The mean difference of GV amount within two sequential TKAs was greater in the DM group (42.5 mL; 95% confidence interval [CI], 26.6 to 58.5) than non-DM group (20.0 mL; 95% CI, 3.8 to 36.2; P=0.044).

Conclusions The preoperative fasting GV measured at the second TKA was larger in diabetic older adults than in non-diabetic ones. Furthermore, the residual GV was different according to the stage of TKA, showing greater volume in second than first operation, in both diabetic and non-diabetic group. Hence, a caution is required for preoperative fasting practice in the elderly undergoing staged bilateral TKA, especially in diabetic patients undergoing second stage operation.

Background and Aims Point-of-care gastric ultrasound (POCUS-USG) is a novel but valid diagnostic tool to quantify gastric volume (GV) and ascertain risk of aspiration.

Methods Patients booked onto the emergency list were prospectively scanned using low frequency 1–5MHz curvilinear transducer. GV was estimated by inputting cross sectional area of the antrum in the right lateral decubitus position (RLD-CSA) into a validated model2. This was compared to acceptable GV determined by the patient’s weight (low risk for aspiration = <1.5 ml kg-1; high risk >1.5 ml kg-1)2. Qualitative assessment was categorised as grade 0–2 based on antrum appearance. Risk was communicated to the anaesthetist and the final airway plan recorded.

Results There was 100% (n=15) correlation between qualitative and quantitative methods. 3 were identified at high risk