complication or complication requiring second surgery was reported. One hematoma related to insertion of the subcutaneous needle of the wall lifter occurred and solved spontaneously. Early complications rate was 4.1% considering Dindo Classification ≥ 2.

Conclusion LPL with LaparoTenser device is a feasible and safe technique. The subcutaneous retractor may assist both surgeon and anaesthesiologist creating a large intra-abdominal operative space using low-pressure, reducing hemodynamic and respiratory risks due to high pressure and consequently the conversion risk. Further studies could confirm our results.

PREVALENCE OF EXPOSURE TO CANCER RISK FACTORS AMONG APPARENTLY HEALTHY CHILDBEARING AGE WOMEN

1Chiat Yin Ng, 2Pui Yee Tan, 1Chung Keat Tan, 1Normina Ahmad Bustami, 2Soma Roy Mitra, 3Eugenie Sin Sing Tan, 3Edmond Siah Chye Ng, 4Fu Hou Wong, 4Farahnaz Amini. 1School of Health Aging, Aesthetic and Regenerative medicine, UCSI University, Kuala Lumpur, Malaysia; 2School of Food Science and Nutrition, Faculty of Environment, University of Leeds, Leeds, UK; 3Nottingham Malaysia, Semenyih, Malaysia; 4School of Health Aging, Aesthetic and Regenerative medicine, Faculty of Medicine and Health Sciences, UCSI University, Kuala Lumpur, Malaysia

Introduction/Background Increased cancer prevalence among women is alarming. Modifiable risk factors account for more than four out of ten cancer-related deaths. This study aimed to investigate the prevalence of exposure to modifiable risk factors along with telomere shortening and DNA damage among women.

Methodology The participants were 134 women without any known medical illness, aged 20–50 years. Validated questionnaires assessed physical activity (PA), working pattern, smoking habit, body mass index (BMI), sleep quality, and psychological distress. Leucocyte telomere length (LTL) and DNA damage were evaluated. Hair heavy metals were quantified using inductively coupled plasma-mass spectrometry.

Results The mean values (±SE) of BMI and LTL were 26.3 ±0.5kg/m² and 5544.9±26.2bp, respectively. Whilst only 4% were smokers, 62% were secondhand smokers. Most participants reported sleep disturbance (95.6%), difficulty in sleeping latency (73.1%); 44.8% were poor sleepers. The majority of participants (63.4%) were physically inactive. PA did not meet WHO recommendations and walking contributed the most to the total PA. Psychological distress profile score showed a normal depression and stress levels with a mild level of anxiety. Notably, 56% of the participants were overweight or obese, 35% had abdominal obesity, 48% had at least one metabolic risk factors with 96.3% had vitamin D deficiency (< 50 nmol/L). The amount of fruits and vegetable intake did not meet the Malaysia Dietary Guideline. The prevalence of those who had higher than the normal limit for hair arsenic, cadmium, mercury, lead and chromium were 1.5%, 3.7%, 4.5%, 16.4%, and 66.4% respectively. Also, 50.7% had raised% of tail DNA, and 11.2% had raised tail moment indicating DNA damage.

Conclusion The exposure to cancer risk factors were high among this population, and the potential impact was seen in DNA damage level and telomere shortening, possibly explaining the increasing incidence of cancer.

ACUTE TORSION OF THE ENLARGED FIBROID UTERUS IN A POSTMENOPAUSAL WOMAN

Dhi lhad Qadir, Ravichandran Nadarajah. Singapore General Hospital, Singapore, Singapore

Introduction/Background We present the case of a 76-year-old woman who presented with vague lower abdominal pain, diarrhea and vomiting. She was hypotensive and tachycardic at the Emergency Department. This rapidly improved upon intravenous fluid hydration and left lateral tilt. She had a distended abdomen with a 24-week sized uterus. Ultrasound pelvis showed multiple enlarged fibroids. She developed worsening intestinal obstruction.

Methodology A computed tomography (CT) scan showed multiple enlarged fibroids, showing a whorled appearance via a stalk. This suggested a torsion either of a large pedunculated fibroid or possible torsion of the uterus. The descending colon was compressed by this mass and there was mild dilatation of the small bowel, with hemorrhagic contents in the pelvis.

She underwent surgery Intra-operatively, blood stained ascites was found, and the uterus was enlarged with multiple fibroids. The uterus was torted 3 times at the isthmus and both fallopian tubes and ovaries appeared hyperemic. The patient underwent a total abdominal hysterectomy and bilateral salpingo-oophorectomy.

Histology showed hemorrhage in the myometrium and extensive hemorrhagic infarction of the fallopian tubes and ovaries, in keeping with uterine torsion. There was no malignancy.

Results Uterine torsion is defined as a rotation of greater than 45 degrees along the longitudinal axis of the uterus. This is uncommon in the gravid uterus, and is an even rarer occurrence in the elderly population. An enlarged fibroid uterus is a risk factor. Torsion of the uterus is a difficult diagnosis to make based on ultrasound alone, and CT imaging as well as laparotomy helped clinched the diagnosis. A high index of suspicion is required.

Conclusion Uterine torsion is rarely reported in the literature. It is difficult to diagnose but is an important consideration as an unrecognised torsion and delay of surgical treatment may lead to serious complications such as hemorrhage, coagulopathy and sepsis.

PSEUDOMYXOMA PERITONEI ARISING FROM MATURE OVARIAN TERATOMA: A CASE REPORT AND REVIEW OF CURRENT LITERATURE

Minah Ha, 2Isileli Tonga, 1Tom de Greve, 2Justine Pickett. 1Gynaecology oncology, Auckland District Health Board, Auckland, New Zealand; 2General surgery, Auckland District Health Board, Auckland, New Zealand; 2Pathology, Te Whatu Ora Health New Zealand, Te Toka Tamai Auckland, New Zealand

Introduction/Background Pseudomyxoma peritonei (PMP) is a clinical syndrome characterised by disseminated mucinous deposits within the peritoneal cavity. Majority of PMP arises from ruptured low-grade appendiceal mucinous neoplasm (LAMN). PMP arising from ovarian teratoma is a rare entity with limited case reports in the literature. Herein, we report a