

# Asian Urological Surgery Training & Education Group

2019 +

#TrainingNoBoundary

#AUSTEG







# ur *Mission*

AUSTEG was founded in 2015 by a group of passionate urologist across Asia Pacific region. The main objectives drive by the organizing board including advancement of education, professional development and skill enhancement in the urological field. Each of the members has strong commitment in education and training while still carrying regular duties in their home country.

# AUSTEG Board of Directors and Members

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AUSTEG mission and vision including provide quality training which has both lecture and hands on components, using current knowledge and latest technology for urologist in need regardless of their diversified economic, financial and social background. AUSTEG created several work forces to drive the development of the group in various directions and we are constantly expanding our trainers group geographically and technically to meet the increasing training demands in Asia.

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# Asia-Basic Laparoscopic Urological Surgery Course (A-BLUS)

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A-BLUS Course is a 1.5-day course focus on the fundamental skills required for basic laparoscopic surgery, through the learning of urological procedures on both theoretical and practical aspect. The program included the step by step breakdown of urological procedures such as nephrectomy, ureteroureterostomy and bladder cuff repair and reconstruction. There are training models for participants to practice and evaluate their basic laparoscopic skills such as peg transfer, cutting skills and suturing skill. This workshop hands on component will utilise livepigs in a well-equipped training center in the region.

# Asia-Advanced Laparoscopic Urological Surgery Course (A-ALUS)



A-ALUS Course is a 1-day course using live pigs for more experienced surgeons to learn and practice on complication management. Through discussion and live demonstration by the faculties, participants are able to gain in depth understanding when dealing with complication such as IVC injury, RA/RV injury etc. Participants are highly selective with some already attended the A-BLUS Course previously. This workshop usually run once a year with expert faculties from different field of work.



# Endoscopic Stone Management Surgery Course



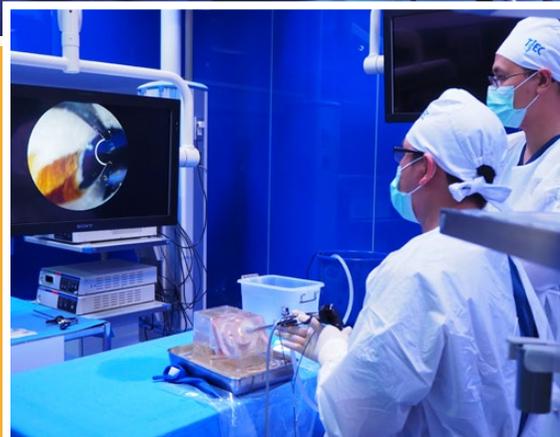
Endoscopic Stone Management Course features didactic lectures, hands on session and Problem-Based Learning (PBL) program. The incidence and prevalence of nephrolithiasis is increasing globally, particular in Asia, which makes stone management an important technique for Urologist. In this course, participants will get to experience the handling of fURS, PCNL and consumables for lithotripsy using different training models. PBL provide the platform for participants to explore various topic together, there are interactive session for participants to engage with faculties and prepare a presentation to share their study result and perspective on the pros and cons on different approaches.



# Lower Urinary Tract Endourology Surgery Course



Lower Urinary Tract Endourology Course is a 1.5days course that covers the most common urological procedures TURP and TURBT. In addition, participants will be introduced to the latest theories and techniques that are available in the market, such as bipolar resection, prostate enucleation, en-bloc bladder resection and laser resection. The training will be conducted using an advanced endoscopic imaging system.



## Urology Nursing Workshop



Urology Nursing Workshop provides information on care and handling of endoscopic and laparoscopic instrument in an effort to enhance patient's safety and ensure the life span of surgical instrument can be extended. This workshop is particularly design for nurses who are working in endoscopy suite or operation theatre with special interest in urological procedure. Technical expertise from industry partners will share tips and tricks on equipment handling and care of various urological instrument.

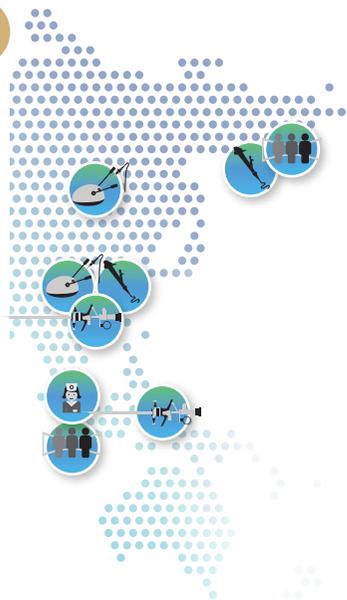


# Collaborative Course



AUSTEG new initiative to enhance training efficiency by collaborating with local society in selected countries. Through collaboration with local society, AUSTEG manage to brings their best practice and training experience to junior surgeons from one country. Incorporated AUSTEG components into local program that takes into account local practice and culture, collaborative course facilitate learning of urological procedures in trainees at a different level.

# 2019 Highlights



**AUSTEG Asian-Basic Laparoscopic Urological Surgery (A-BLUS)** / Thailand / January



**AUSTEG Lower Urinary Tract Endourology Surgery** / Thailand / February



**Videourology 2019: AUSTEG Session – Latest Trends in Urolithiasis Treatment** / Korea / June



**AUSTEG Endoscopic Stone Management Surgery** / Korea / June



**AUSTEG-AUA Joint Asian-Basic Laparoscopic Urological Surgery (A-BLUS)** / Thailand / July



**UAA-AUSTEG Urology Nursing Workshop** / Malaysia / August



**UAA-AUSTEG Symposium: Advancing Asian Urology Together** / Malaysia / August



**AUSTEG Asian Advanced Laparoscopic Urological Surgery (A-ALUS)** / China / September



**ASMIUA-AUSTEG Lower Urinary Tract Endourology** / Indonesia / September - October



**AUSTEG Endoscopic Stone Management Surgery** / Thailand / November



Organized workshops around Asia



4

There were collaborated workshops with other society (AUA/UAA/UA/CACA-GU)



186

A total of trainees attended AUSTEG Workshops in 2019

584

Likes on AUSTEG FaceBook page



Highest reach of

2113

for AUSTEG Workshop's Post



Twitter followers reach

465

within 1 year



1<sup>st</sup>

AUSTEG Paper published in The World Journal of Urology



100

Over participants attended AUSTEG session in international conference (KES & UAA)



Participants are coming from over

19

countries

AUSTEG successfully developed an ex vivo bladder models for training of TURBT and En-Bloc Bladder Tumor resection. AUSTEG implemented a series of questionnaires to conduct validation of the model in three major areas - Face, Content and Construct Validity. The model is able to closely approximate in vivo urinary systems in terms of tissue properties and anatomy, provide an additional option for AUSTEG to help trainee advance their technical skills beyond animals or patient based training.

World Journal of Urology  
<https://doi.org/10.1007/s00345-018-2602-2>

ORIGINAL ARTICLE



## A newly developed porcine training model for transurethral piecemeal and en bloc resection of bladder tumour

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### Abstract

**Purpose** The Asian Urological Surgery Training & Education Group (AUSTEG) has been established to provide training and education to young urologists in Asia. We developed and validated a porcine bladder training model for transurethral resection of bladder tumour (TURBT).

**Methods** Urology residents and specialists were invited to test the training model. They were asked to complete a pre-task questionnaire, to perform piecemeal and en bloc resection of 'bladder tumours' within the training model, and to complete a post-task questionnaire afterwards. Their performances were assessed by faculty members of the AUSTEG. For the face validity, a pre-task questionnaire consisting of six statements on TURBT and the training model were set. For the content validity, a post-task questionnaire consisting of 14 items on the details of the training model were set. For the construct validity, a Global Rating Scale was used to assess the participants' performances. The participants were stratified into two groups (junior surgeons and senior surgeons groups) according to their duration of urology training.

**Results** For the pre-task questionnaire, a mean score of  $\geq 4.0$  out of 5.0 was achieved in 5 out of 6 statements. For the post-task questionnaire, a mean score of  $\geq 4.5$  out of 5.0 was achieved in every item. For the Global Rating Scale, the senior surgeons group had higher scores than the junior surgeons group in 8 out of 11 items as well as the total score.

**Conclusion** A porcine TURBT training model has been developed, and its face, content and construct validity has been established.

**Keywords** Bladder cancer · Bladder tumour · Training model · Education · TURBT · En bloc resection

### Abbreviations

AUSTEG Asian Urological Surgery Training & Education Group  
 TURBT Transurethral resection of bladder tumour

### Introduction

The Asian Urological Surgery Training & Education Group (AUSTEG) has been established since November 2015 with the faculty consisting of expert urologists from more than ten Asian regions. By organizing series of training courses,

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# 2020 Activities

**April 2020**  
**# Thailand**

Asia-Basic Laparoscopic  
Urological Surgery Course  
(A-ABLUS)

**September  
2020 # Thailand**

Asia-Advanced  
Laparoscopic Urological  
Surgery Course  
(A-ALUS)

**January 2020**  
**# Korea**

Lower Urinary Tract  
Endourology Surgery

**July 2020**  
**# Korea**

Endoscopic Stone  
Management Surgery

**October 2020**  
**# Korea**

UAA Congress 2020

and more...

# Acknowledgement

We would like to sincerely thank you our sponsors and supporting parties for their significant contributions and support towards the group.

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## Collaborated Society and Institution



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