

# Time for training using dedicated core trainee operating lists

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## Background

Better Training Better Care (BTBC) is a Health Education England (HEE) initiative to develop sustainable and adoptable models to maximise learning opportunities in the time available for training.

This pilot developed a model to provide ring-fenced dedicated training lists for Core Surgical trainees (BTBC lists) using existing resources in order to improve training in operative surgery.

## Aim

To evaluate the time taken to complete an open inguinal hernia repair on a BTBC list compared to the time taken on an ordinary operating list (Non BTBC list).

## Methods

The study included all patients undergoing a unilateral open inguinal hernia repair between 1<sup>st</sup> August 2012 and 31<sup>st</sup> July 2013.

The length of time to complete the operation (skin to skin) was obtained from the Operating Room Management Information System (ORMIS).

The mean length of stay from admission to discharge was noted.

The number of open inguinal hernia repairs in the year prior to the BTBC pilot (1<sup>st</sup> August 2011 – 31<sup>st</sup> July 2012) was obtained.

All BTBC operations are completed with a Consultant Supervisor – Trainer Scrubbed (STS). A Procedure Based Assessment (PBA) is completed at the end of the procedure.

The times taken to complete hernia repairs in the BTBC and Non-BTBC groups were compared using the two sample two tailed t-test (statistical significance < 0.05).

## A Better Training Better Care (BTBC) List

- ✦ Ring-fenced
- ✦ Consultant Supervision throughout
- ✦ The Core Trainee:
  - ✦ Leads the admission process
  - ✦ Leads the Team Brief
  - ✦ Leads the Time Out
  - ✦ Leads the Sign Out
- ✦ Completes the Operation Notes
- ✦ Completes a Work Place Based Assessment (WBA)



A BTBC performed by a Core Trainee supervised by Specialist Registrar Scrubbed in turn undergoing a Consultant (unscrubbed) Observation of Teaching (OOT) workplace based assessment

## Results

111 patients underwent open inguinal hernia between 1<sup>st</sup> August 2011 and 31<sup>st</sup> July 2012 (prior to the introduction of BTBC).

120 patients underwent open inguinal hernia repair between 1<sup>st</sup> August 2012 and 31<sup>st</sup> July 2013 during the BTBC pilot. 24 of these were on BTBC operating lists (see table for analysis).

	No. Of Operations	Mean Length of Operation (minutes)	Mean Length of Stay (hours)
BTBC List	24	89	23.8
Non-BTBC	96	74	28.9
P-Value	---	< 0.002	0.293

Operating times and length of stay for inguinal hernia repairs during BTBC pilot

## Conclusions

- Supervised Core Surgical Trainees on a dedicated training list take longer to complete an inguinal hernia operation, which needs to be taken into consideration when planning training and service.
- Service delivery, however, was maintained as a similar number of patients were treated using the same resources in the equivalent 12 month period prior to the BTBC pilot and the mean length was unaffected.
- This study provides data which may be of value when commissioning for training and service.