

THE COLPOSCOPY TRAINING SIMULATOR FOR EFFECTIVE TRAINING IN COLPOSCOPY

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Disclosures

- No financial relationships or conflict of interest to disclose



Cervical cancer is still a global problem

Countries	Incidence of cervical cancer (age adjusted per 100 000 women annually)	Mortality from cervical cancer (per 100 000 women annually)
UK	7.2	2
Europe*	4.5 – 9.4	1.2 – 2.7
USA	5.7	1.7
Australia	4.9	1.4
Singapore	6.9	2.3
Malaysia	17.9	5.6
Brunei	16.9	6
Thailand	24.5	12.8
Indonesia	12.7	7
Myanmar	26.4	15
Laos	22.1	13.3
Cambodia	27.4	16.2
Vietnam	11.5	5.7
Philippines	11.7	5.3

* Finland, Sweden, Norway, Germany, France, Spain, Belgium

Source: <http://globalcancermap.com>



The importance of colposcopy training

Colposcopy procedure

- *Optimal view to aid diagnosis*

Risk of treatment

- *Treatment complications*
- *Free margins*
- *Future fertility/ pregnancy*

PATIENT SAFETY

ETHICS



The ideal colposcopy simulator

Mimic as near to a realistic colposcopic environment as possible.

- Insertion of the speculum
- Manipulation of the speculum following insertion
- Similar field of view and area of work for colposcopy and colposcopy treatment
- Allow the trainee not only to practice colposcopy procedure but to practice all colposcopic treatment available as if it was done on a patient.

Portable

- Able to be transported anywhere where training is required.

Simple yet durable in design.

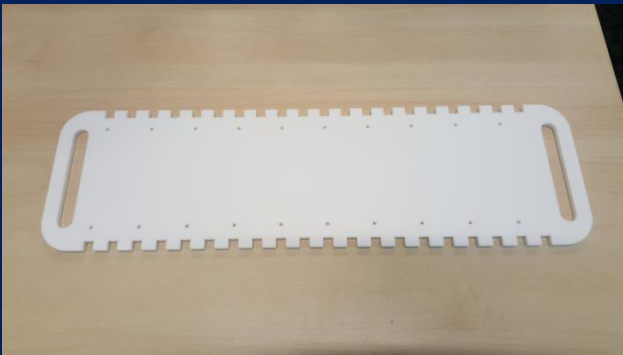
Easy to use

Cheap



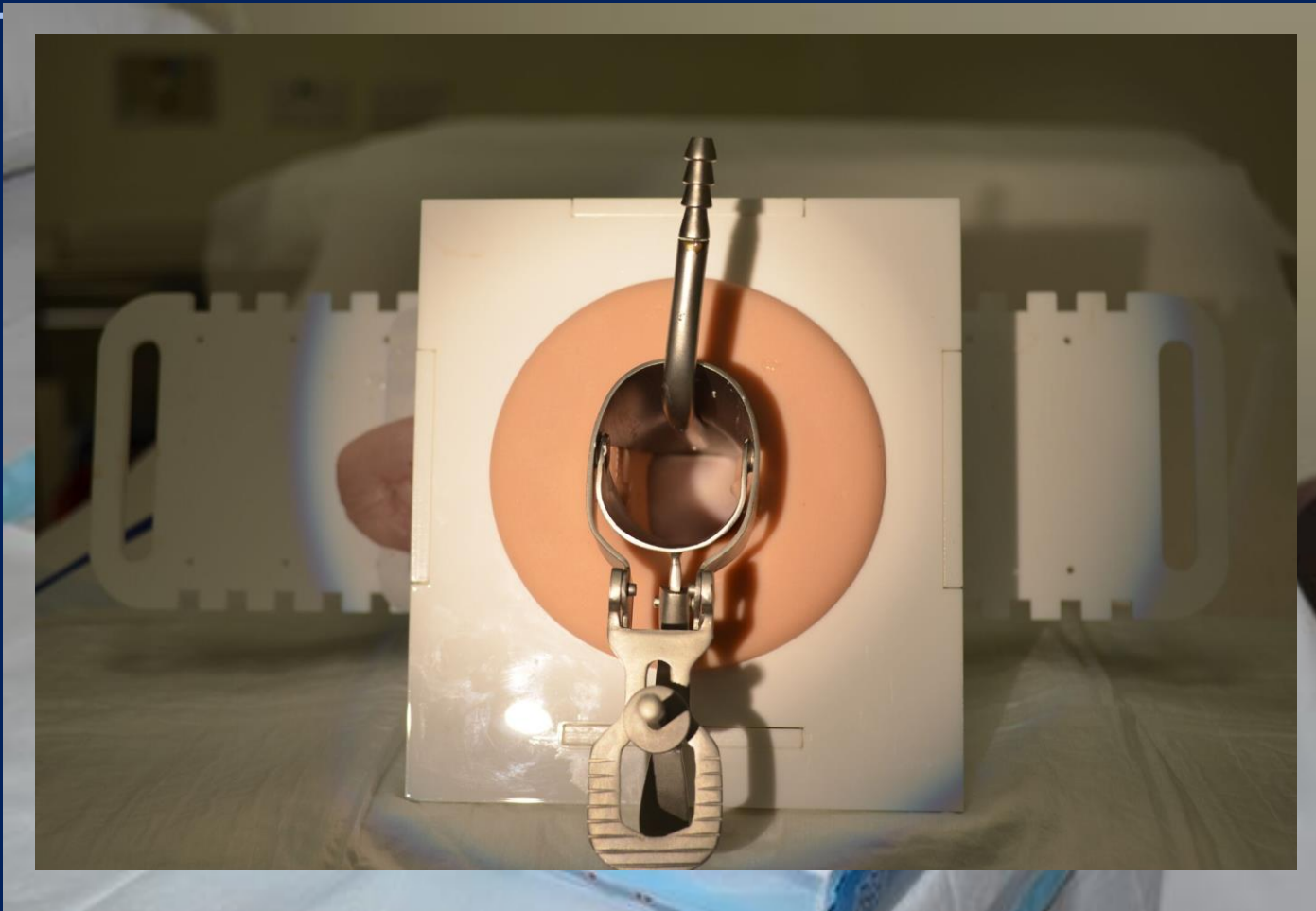
National University Hospital

Colposcopy training simulator



National University Hospital

Colposcopy training simulator



Colposcopy training simulator

- Basic colposcopy workshop
- Colposcopy treatment
 - Excisional procedure
 - Loop excision electrosurgical procedure (LEEP)
 - Cone biopsy: Needle and Laser
 - Ablative procedure
 - Cold coagulation
 - Cryotherapy
 - Laser ablation



Advance colposcopy workshop

National University Hospital

22nd March 2014



Colposcopy training simulator survey

Survey	Date	Participants (N)	Feedback received (N)	Strongly Disagree	Disagree	Not sure	Agree	Strongly Agree
Advance colposcopy training course 2015	3/10/2015	12	11				2	9
Advance colposcopy training course 2016	8/10/2016	14	14				1	13
O&G trainees survey	01/9/2016	13	13		*1		2	10

** Comment given: there was a lot of reflection on the photograph, otherwise it was a good simulator*



Colposcopy training simulator

Cambodia outreach programme

29th – 30th April 2016



Colposcopy training simulator

Myanmar outreach programme

5th to 6th October 2016



Conclusion

The colposcopy training simulator can help in better training in colposcopy and colposcopy treatment.

Further study is currently in progress.



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