

Structured Training and Assessment: United Kingdom Perspective

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Disclosures

- No financial relationships or conflict of interest to disclose



Colposcopy Certification

April 1997

Quality Assurance of national cervical screening programme

To ensure that colposcopists are adequately trained

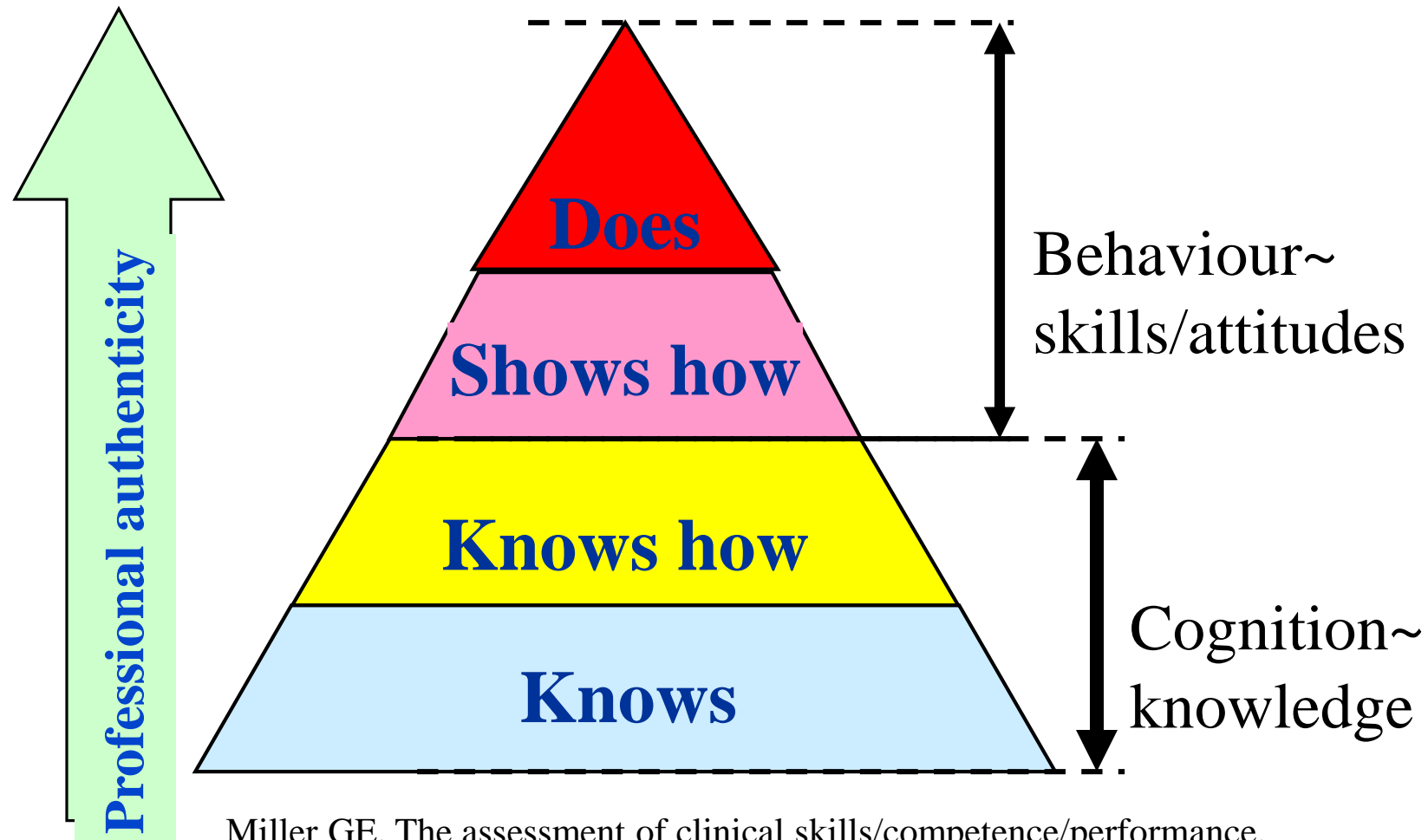
- Technically and diagnostically proficient

- Knowledge of national programme

- Communication skills and professional attributes



Model of competence



Miller GE. The assessment of clinical skills/competence/performance.
Academic Medicine (Supplement) 1990; 65: S63-S67.

BSCCP Colposcopy Training

Obtain and develop necessary knowledge, skills and attributes to be competent in colposcopy

Theoretical knowledge

- BSCCP recognised basic colposcopy course
- Trainees manual
- BSCCP website educational section

Clinical competence

- Apprenticeship with BSCCP recognised trainer



Colposcopy Trainers

Clinical supervision

Active trainer involvement

Monitor progress with regular formative review

Provide advice and feedback

Direction and formative assessment of training

Enable trainee to complete training

Assess whether trainee has satisfactorily completed training



Entry Requirements

Membership of the British Society for Colposcopy & Cervical Pathology
Recognised nursing or medical qualification
Register with BSCCP for training



Training Requirements

Attendance at a BS CCP accredited Basic Colposcopy course
Histopathological/Cytopathological sessions



Training syllabus

This knowledge can be acquired from:

BSCCP approved basic colposcopy course

BSCCP approved advanced colposcopy course

BSCCP educational materials on website

Personal study

Tuition from trainer



New training tools from the BSCCP

The screenshot displays the BSCCP Learning Zone website. At the top, the BSCCP logo is followed by the text 'The British Society for Colposcopy and Cervical Pathology'. Navigation links include 'Help and Support', 'Courses', 'Userguide', and a personalized welcome message 'Welcome, BSCCP' with a profile icon. The main banner features a woman with glasses and a red scarf, with the text 'WELCOME TO THE BSCCP LEARNING ZONE' and a 'LEARN MORE >' button. A blue circle on the left indicates 'Coming 2017'. A dark purple semi-circle labeled 'Your Dashboard' with a grid icon is positioned in the center. Below the banner, four circular icons represent different training modules: 'Getting started in Colposcopy' (microscope), 'Colposcopy Trainers' (group of people), 'Keeping up to date' (group of people), and 'Cervical Cancer Prevention - a global view' (woman in a pink headscarf).

bsccp | The British Society for Colposcopy and Cervical Pathology

Help and Support | Courses | Userguide | Welcome, BSCCP

WELCOME TO THE
BSCCP
LEARNING ZONE

LEARN MORE >

Coming 2017

Your Dashboard

Getting started in Colposcopy

Colposcopy Trainers

Keeping up to date

Cervical Cancer Prevention - a global view

Training syllabus

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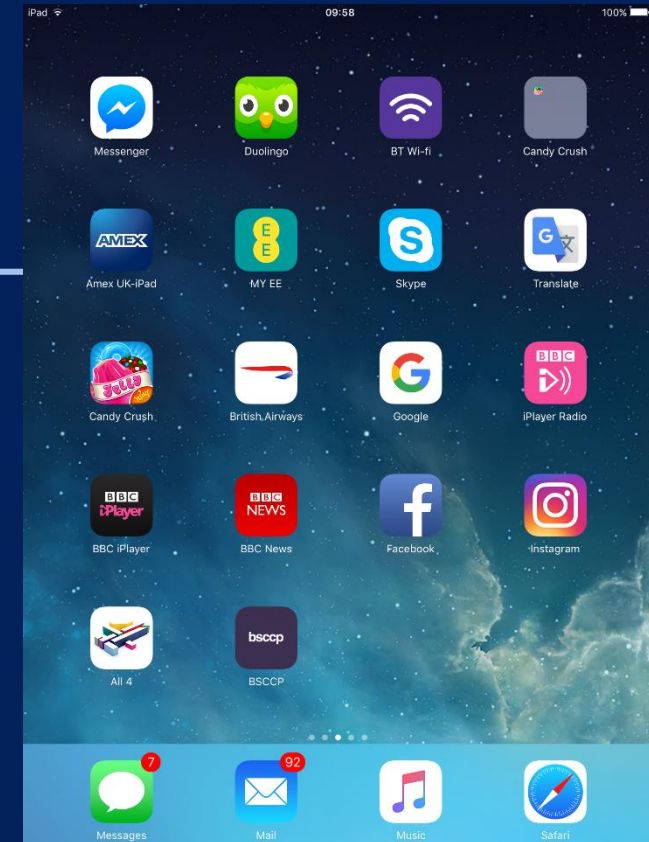
Tuition from trainer



Training syllabus

This knowledge can be acquired from:

BSCCP approved basic colposcopy course
BSCCP approved advanced colposcopy course
BSCCP educational materials on website
Personal study
Tuition from trainer



Training syllabus

This knowledge can be

BSCCP approved basic


BSCCP approved advanced

BSCCP educational materials

Personal study

Tuition from trainer

09:57 bscpp | NHSCCP Document 20



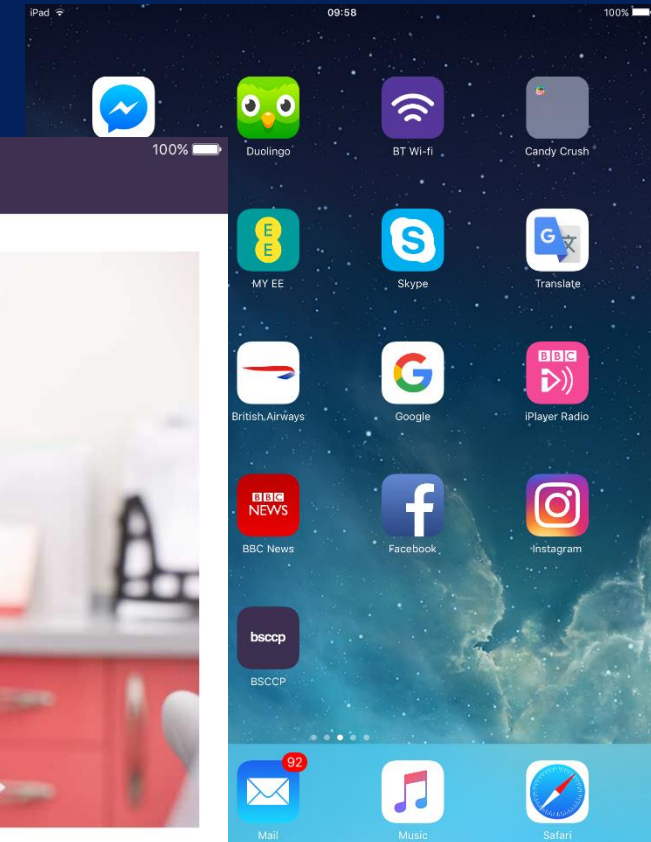
General Principles

- All treatment must take place in properly equipped and staffed clinics (100%).
- All women needing treatment must be informed that treatment will be required, and their consent (either written or verbal) must be recorded (100%).
- All women needing treatment must have had a colposcopic assessment (100%).
- All treatment must be recorded (100%).

Timing of treatment

- The proportion of women having definitive treatment for high grade CIN within four weeks of the colposcopy clinic receiving a diagnostic biopsy report should be at least 90%.

Home Search



Training syllabus

The normal cervix

Cervical screening

Cervical neoplasia

Other lower genital tract sites

The equipment

Pregnancy and contraception

Principles of Management



Diagnostic module

1. Direct supervision of 50 colposcopy cases (of which at least 20 must be new cases, of which 10 must be high-grade disease)
2. Indirect supervision of 100 cases (of which at least 30 must be new cases, of which 15 must be high-grade disease)
3. Completion of the log book
4. Histopathological and Cytopathological sessions



Treatment Module

- Witness at least 10 cases of local treatment
- Perform *under supervision* at least 10 cases of local treatment
- Competency assessed by trainer



Assessment



Aim of Assessment

Pass competent trainees

Identify insufficiently competent trainees

Identify excellence



Competence vs. Performance

Competence

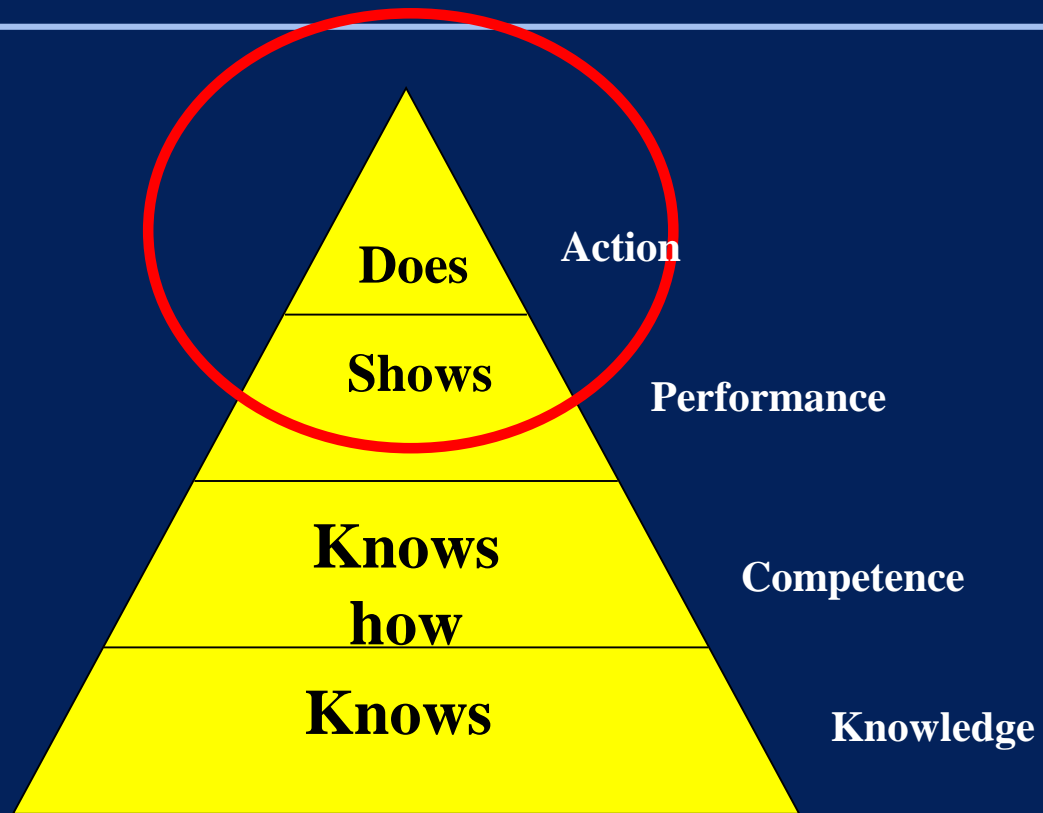
- The best an individual is capable of under controlled circumstances

Performance

- What an individual can do in day to day practice

Competence is necessary but not sufficient for adequate performance





Work Place Assessments

- Direct observation of clinical procedures (DOPS)
- Mini Clinical Examination (Mini-Cex)
- Structured case discussions (CbD)



Work Place Assessments

Structured formative feedback

Trainee needs to complete at least:

- 10 OSATS
- 10 mini-CEX
- 6 CbD

This type of assessment can only be undertaken in 'training clinics' which have a maximum of 8 cases

Conducted through out period of training



Mini-Clinical Evaluation Exercise (CEX) – Colposcopy

Doctor's

Surname

Forename

GMC NUMBER MUST BE COMPLETED

Clinical Setting:

Colposcopy clinic

In-patient

Other

☐
☐
☐

Clinical problem

New Patient

Follow Up

☐
☐

Focus of
clinical
encounter:

History

☐

Diagnosis

Management

☐

Explanation

☐
☐

Please grade the following areas using the scale below	Below expectations for ATSM completion		Borderline for ATSM completion	Meets expectation for ATSM completion	Above expectations for ATSM completion		U/C *
1 History Taking	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	<input type="checkbox"/>
2 Physical Examination Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Communication Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Clinical Judgement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6 Organisation/Efficiency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Overall clinical care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*U/C Please mark this if you have not observed the behaviour and therefore feel unable to comment							



Please refer to curriculum and logbook for details of expected competencies for colpos

Case-based Discussion (CbD) – Colposcopy

Please grade the following areas using the scale below	Below expectations for ATSM completion		Borderline for ATSM completion	Meets expectations for ATSM completion	Above expectations for ATSM completion		U/C *
	1	2	3	4	5	6	
1 Medical record keeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Clinical assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Investigation and referrals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Treatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Follow-up and future planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6 Professionalism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Overall clinical judgement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*U/C Please mark this if you have not observed the behaviour and therefore feel unable to comment							

Anything especially good?
 Suggestions for development
 Agreed action:

Date: / /

Time taken for observation:
 Assessor's Signature:
 Assessor's Surname:

Time taken for feedback:

(in minutes)
 (in minutes)



Treatment – Large Loop Excision of Transformation Zone

Operative procedure			
Correct use of speculum			
Correct use of magnification			
Inspects entire cervix			
Applies acetic acid			
Attempts to identify SCJ or upper extent of lesion, correct use of endocervical speculum if necessary			
Applies Lugol's iodine			
Correct identification of transformation and area to treat			
Correct technique in use of local anaesthetic			
Correct technique in use of loop diathermy to excise transformation zone			
Able to switch on diathermy machine and choose correct blend and power settings			
Correct technique in use of			



Formative Assessment

Log book: online

- 50 cases under direct supervision
- 100 cases under indirect supervision

Discussion of cases with supervisor

Signing off by trainer

- Curriculum
- Cases
- Laboratory experience



Completion of Training

Signed off by trainer

Log-book

DOPS/mini-CEX/CbD

Completed a colposcopy based audit

Attendance at local MDT meetings (review of colposcopy/cytology/histopathology)

BSCCP OSCE exam



BSCCP Electronic Logbook

On-line

Print hard copies

Diagnostic +/- treatment

Theoretical

150 Cases – internal checks

Submit when completed on-line



Summative Assessment

Confirmation of signing off by trainer

Electronic logbook – automatic vetting

Exit OSCE



BSCCP OSCE

Assessment of

- Colposcopy knowledge
 - core knowledge already defined
- Interpretation skills of images
 - cytology/pathology/colposcopy
- Communication skills



What is in the OSCE?

Objective structured clinical examination

Competencies are **specific to the BSCCP trainees manual**

Curriculum and competencies clearly defined for theoretical and practical training

Broad sampling is of the training manual



Blue Printing of OSCE

Colposcopy

Cytology

Pathology

Cervical

Screening

National

Guidelines

Breaking bad
news

Explanation
of results



Blue Printing of OSCE

Pregnancy Inadequate Mild HPV Severe Cancer
smears

Colposcopy

Cytology

Pathology

Cervical
Screening
National
Guidelines
Breaking bad
news
Explanation
of results



Blue Printing of OSCE

	Pregnancy	Inadequate smears	Mild	HPV	Severe	Cancer
Colposcopy			✓	✓	✓	
Cytology	✓	✓	✓		✓	
Pathology			✓		✓	✓
Cervical Screening	✓	✓	✓	✓		
National Guidelines	✓	✓	✓	✓	✓	✓
Breaking bad news						✓
Explanation of results	✓			✓	✓	✓



OSCE

12 stations

2 interactive stations with an 'actor' to assess communication skills

Image recognition stations with examiner

Written stations based BS CCP training guide and set at level of basic colposcopy course



Standard Setting

Level of competence expected of a colposcopist who has completed training



Pass marks

There is not a fixed pass rate

Standard to pass the exam is set for each station

Pass mark set using borderline groups method

- Each station & overall



Global scoring

Excellent pass

Very good pass

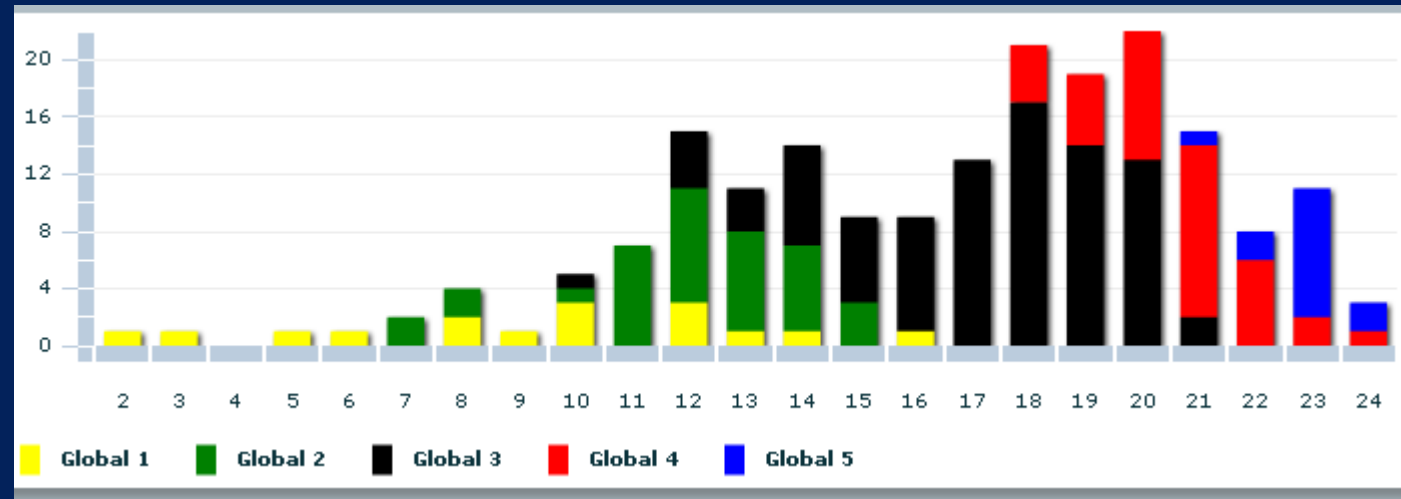
Clear pass

Borderline

Clear fail



Borderline group



Analysis		Borderline group			
Valid scores	193	All globals not a number	0	Pass / Fails Passmark 12 Passed 170 Fails 23 Percent passed 88.083	
Scores not a number	0	All globals not in range	0		
Scores more than total	0	Borderline group global score	2		
Scores of zero	0	Valid scores in borderline group	36		
Sum	3212	Sum	433		
Mean	16.642	Mean	12.028		
SD	4.41725523175	Median	12		
Standard Error	0.317960989089	SD	2.07689481281		

Borderline Group

Global rating made by each examiner

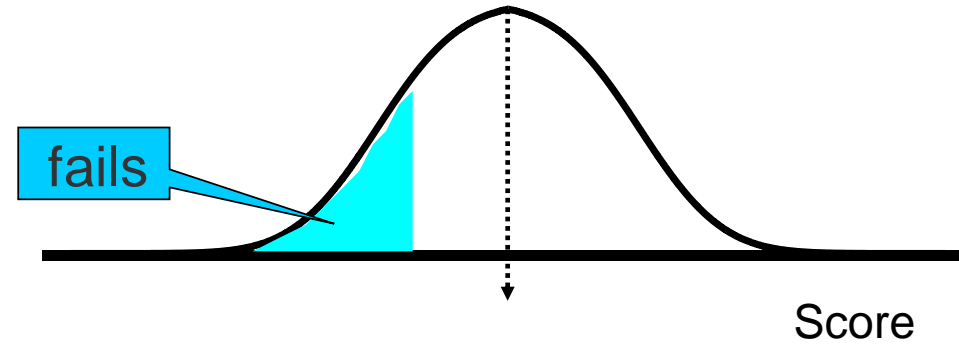
- Pass / Borderline / Fail

Mean score of borderline students used to set pass mark for each station

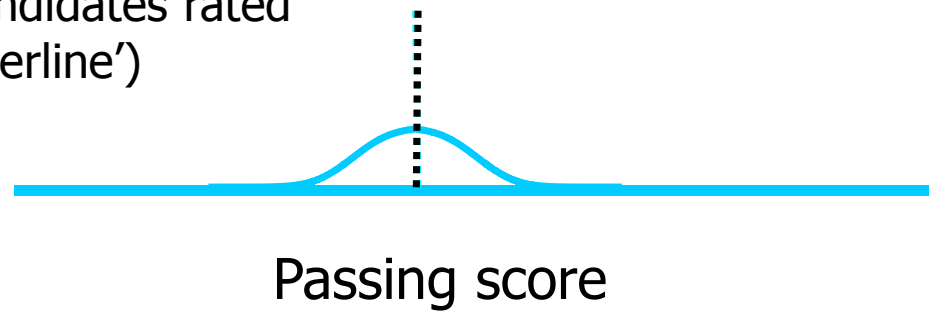


Borderline Group Technique

Test scores' distribution (all candidates)



Borderline scores' distribution (test scores of candidates rated 'borderline')



Reliability analysis of BS CCP OSCE

Cronbach's Alpha	Standardized Items	N of Items
.775	.783	10



Contribution of each station to the reliability of the exam

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
1	145.96	294.589	.719	.614	.720
2	148.83	356.332	.289	.317	.773
3	146.74	323.474	.503	.578	.750
4	143.39	341.340	.320	.306	.771
5	148.65	331.874	.422	.548	.759
6	146.09	324.447	.499	.676	.750
7	143.04	317.407	.440	.481	.757
8	144.61	303.613	.605	.486	.734
9	135.70	308.403	.337	.549	.781
10	139.74	320.838	.386	.342	.765



BSCCP Membership, Training and Assessment

	2012	2013	2014	2015	2016
Membership	2440	2527	2397	2257	2254
Certified Colposcopists	1449	1363	1422	1400	1492
Certified Nurses	228	246	240	250	253
Registered for Training	134	157	172	148	137
Pass Rate	78%	88%	95%	90%	83%



UK Training and re-certification

Training

Trainers

Re-certification
to practice

Assessment
of training

Assessment of
trainers

Assessment of
Re-certification



BSCCP App of NHSCSP document 20



Available from apple and Android stores
early April 2017

Free to download

Good for

Trainers

Trainees

Pre OSCE

MDT
meetings

Any questions?

