

Examination Report

Report on the November 2018

Part 2 Fellowship in Ophthalmology (FRCOphth) oral examination

Matthew Turner, Ben Smith

Contents

[1 Summary 3](#_Toc532824015)

[2 Candidates 3](#_Toc532824016)

[3 The Structured Vivas 3](#_Toc532824017)

[3.1 Results 4](#_Toc532824018)

[3.2 Standard setting for the structured vivas 6](#_Toc532824019)

[4 The OSCE 7](#_Toc532824020)

[4.1 Results 7](#_Toc532824021)

[4.2 Standard setting for the OSCEs 9](#_Toc532824022)

[5 Overall results for the oral examination 10](#_Toc532824023)

[5.1 Results 10](#_Toc532824024)

[5.2 Breakdown of Oral Examination 11](#_Toc532824025)

[5.3 Comparison to previous examinations 13](#_Toc532824026)

# Summary

For the part 2 Fellowship in Ophthalmology (FRCOphth) oral examination, the OSCE consists of 12 stations worth a total of 198 marks whilst the structured viva (SV) consists of 10 stations worth a total of 120 marks.

A total of 106 candidates sat the examination.

The pass mark for the OSCE was 127 and the pass mark for the structured VIVA was 70.

The reliability of the oral examination was 0.8 (SV) and 0.8 (OSCE).

The pass rate for the SV and the OSCE was 84/106 (79%) and 62/106 (58%) respectively. The overall pass rate was 61/106 (58%).

# Candidates

106 candidates presented themselves for the examination.

# The structured vivas

There were five structured vivas, which were held on Monday 12 November and Tuesday 13 November 2018. The communication skills OSCE station was conducted as one of the viva stations, making six stations in all. Each viva lasted 10 minutes. The stations were:

|  |  |
| --- | --- |
| **Station 1:**  | **Patient investigations and data interpretation** |
|  |  |
| **Station 2:**  | **Patient management 1** |
|  |  |
| **Station 3:**  | **Patient management 2** |
|  |  |
| **Station 4:**  | **Attitudes, Ethics and Responsibilities.** |
| **Station 5a:**  | **Audit, Research and EBM (5 minutes)** |
|  |  |
| **Station 5b:**  | **Health Promotion and Disease Prevention (5 minutes)** |
|  |  |
| **Station 6:**  | **Communication Skills (part of OSCE)** |
|  |  |

## Results

Maximum mark (5 stations, 10 examiners, 12 marks per station): 120

1. Marks for the viva

| **Statistic** | **Value** | **Percentage** |
| --- | --- | --- |
| Pass mark (using borderline candidate method) | 63.5/120 | 53% |
| Mean Score | 82.8/120 | 69% |
| Median Score | 84/120 | 70% |
| Range | 47 – 113 | 39% – 94% |
| Reliability (Cronbach’s alpha) | 0.8 |  |
| SEM | 7 | 5% |
| Final adjusted pass mark (+1 SEM) | 70/120 | 58% |
| Pass rate before adjustment (pass mark 63.5/120) | 94/106 | 89% |
| Pass rate after adjustment (pass mark 70/120) | 84/106 | 79% |



1. Distribution of the SV Scores
2. Station Summary – viva

| **Station** | **Category** | **Maximum Possible** | **Mean** | **Median** | **Min** | **Max** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | PI | 24 | 17.5 | 18.0 |  4 | 24 |
| 2 | PM1 | 24 | 14.1 | 14.0 |  4 | 24 |
| 3 | PM2 | 24 | 19.7 | 21.0 | 10 | 24 |
| 4 | AER | 24 | 15.6 | 16.0 |  0 | 24 |
| 5 | HPDP/EBM | 24 | 16.0 | 16.0 |  5 | 24 |

1. Correlation between examiners' marks at each station

| **Station** | **Station 1** | **Station 2** | **Station 3** | **Station 4** | **Station 5** |
| --- | --- | --- | --- | --- | --- |
| Category | PI | PM1 | PM2 | AER | HPDP/EBM |
| Correlation | 0.87 | 0.90 | 0.88 | 0.93 | 0.91 |

1. Mean absolute difference in examiners' marks at each station

| **Station** | **Station 1** | **Station 2** | **Station 3** | **Station 4** | **Station 5** |
| --- | --- | --- | --- | --- | --- |
| Category | PI | PM1 | PM2 | AER | HPDP/EBM |
| Mean absolute difference | 0.92 | 0.85 | 0.67 | 0.82 | 0.75 |

1. Correlation between viva stations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Station 1** | **Station 2** | **Station 3** | **Station 4** | **Station 5** |
| **Station 1** |  |  |  |  |  |
| **Station 2** | 0.32 |  |  |  |  |
| **Station 3** | 0.31 | 0.31 |  |  |  |
| **Station 4** | 0.25 | 0.37 | 0.14 |  |  |
| **Station 5** | 0.40 | 0.35 | 0.27 | 0.32 |  |

## Standard setting for the structured vivas

1. Viva standard setting

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Station 1** | **Station 2** | **Station 3** | **Station 4** | **Station 5** | **Total** |
| Number of passed candidates | 65 | 70 | 51 | 50 | 89 | 87 | 60 | 64 | 65 | 64 |  |
| Number of borderline candidates | 33 | 30 | 21 | 31 | 14 | 15 | 24 | 21 | 24 | 25 |
| Number of failed candidates | 8 | 6 | 34 | 25 | 3 | 4 | 22 | 21 | 17 | 17 |
| Median borderline candidate mark | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 6.5 | 6 | 63.5 |

# The OSCE

There were six OSCE stations in all. The five clinical stations were held Wednesday 14 November – Friday 16 November 2018. The communication OSCE was conducted with the vivas.

## Results

1. Marks for the OSCE

| **Statistic** | **Value** | **Percentage** |
| --- | --- | --- |
| Pass mark (using borderline candidate method) | 115.5/198 | 58% |
| Mean Score | 128.3/198 | 65% |
| Median Score | 133/198 | 67% |
| Range | 59 – 172 | 30% – 87% |
| Reliability (Cronbach’s alpha) | 0.8 |  |
| SEM | 11 | 5% |
| Final adjusted pass mark (+1 SEM) | 127/198 | 64% |
| Pass rate before adjustment (pass mark 115.5/198) | 77/106 | 73% |
| Pass rate after adjustment (pass mark 127/198) | 62/106 | 58% |



1. Distribution of OSCE scores
2. Station summary – OSCE

| **Station** | **Category** | **Maximum possible** | **Mean** | **Median** | **Min** | **Max** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Anterior Segment | 33 | 25.9 | 27.0 | 9 | 36 |
| 2 | Glaucoma & Lid | 33 | 23.6 | 23.5 | 7 | 36 |
| 3 | Posterior Segment | 33 | 22.0 | 23.0 | 3 | 36 |
| 4 | Strabismus & Orbit | 33 | 22.4 | 22.5 | 2 | 36 |
| 5 | Neuro-Ophthalmology | 33 | 21.0 | 21.0 | 2 | 36 |
| 6 | Communication Skills | 33 | 13.4 | 14.5 | 2 | 18 |

1. Correlation between examiner's' marks at each station

| **Station** | **Station 1** | **Station 2** | **Station 3** | **Station 4** | **Station 5** | **Station 6** |
| --- | --- | --- | --- | --- | --- | --- |
| Category | Anterior Segment | Glaucoma & Lid | Posterior Segment | Strabismus & Orbit | Neuro-Ophthalmology | Communication Skills |
| Correlation | 0.90 | 0.86 | 0.91 | 0.89 | 0.89 | 0.81 |

1. Mean absolute difference in examiners' marks at each station

| **Station** | **Station 1** | **Station 2** | **Station 3** | **Station 4** | **Station 5** | **Station 6** |
| --- | --- | --- | --- | --- | --- | --- |
| Category | Anterior Segment | Glaucoma & Lid | Posterior Segment | Strabismus & Orbit | Neuro-Ophthalmology | Communication Skills |
| Mean absolute difference | 1.25 | 1.36 | 1.29 | 1.38 | 1.47 | 0.93 |

1. Correlation between OSCE stations

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Station 1** | **Station 2** | **Station 3** | **Station 4** | **Station 5** | **Station 6** |
| **Station 1** |  |  |  |  |  |  |
| **Station 2** | 0.11 |  |  |  |  |  |
| **Station 3** | 0.16 | 0.18 |  |  |  |  |
| **Station 4** | 0.20 | 0.16 | 0.35 |  |  |  |
| **Station 5** | 0.33 | 0.03 | 0.30 | 0.34 |  |  |
| **Station 6** | 0.30 | 0.13 | 0.37 | 0.25 | 0.35 |  |

## Standard setting for the OSCEs

1. OSCE standard setting

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Station 1** | **Station 2** | **Station 3** | **Station 4** | **Station 5** | **Station 6** | **Total** |
| Number of passed candidates | 63 | 68 | 50 | 55 | 32 | 40 | 48 | 46 | 42 | 46 | 67 | 67 |  |
| Number of borderline candidates | 31 | 26 | 33 | 34 | 37 | 28 | 27 | 36 | 39 | 35 | 24 | 21 |
| Number of failed candidates | 12 | 12 | 23 | 17 | 37 | 38 | 31 | 24 | 25 | 25 | 15 | 18 |
| Median borderline candidate mark | 11 | 10.5 | 11 | 10 | 12 | 11 | 10 | 11 | 9 | 10 | 5 | 5 | 115.5 |

# Overall results for the oral examination

## Results

1. Overall Results summary

| **Statistics** | **Value** | **Percentage** |
| --- | --- | --- |
| Pass Mark | 197/318 | 62% |
| Mean | 211/318 | 66% |
| Median | 214/318 | 67% |
| Range | 106 - 278 | 33% - 87% |

To pass the oral examination candidates had to either pass both the viva (70/120 (58%)) and OSCE (127/198 (64%)) or pass the OSCE, achieve 63.5/120 (53%) in the viva and achieve 197/318 (62%) overall.

Overall 61/106 (58%) passed the examination.

1. Pass rates

| **Statistics** | **Value** | **Percentage** |
| --- | --- | --- |
| Pass rate for the oral examination | 61/106 | 58% |
| Pass rate overall for candidates in Ophthalmic Specialist Training (OST) | 50/68 | 74% |
| Pass rate overall for non-trainees | 10/37 | 27% |

Correlation between structured viva and OSCE = 0.68.



1. Distribution of total scores

## Breakdown of oral examination

1. Breakdown of results by training

| **Training** | **Failed** | **Passed (%)** | **Total** |
| --- | --- | --- | --- |
| In OST | 18 | 50 (74%) | 68 |
| Not in OST | 27 | 10 (27%) | 37 |
| Total | 45 | 61 (58%) | 106 |

1. Breakdown of results by level of training

| **Level of Training** | **Failed** | **Passed %** | **Total** |
| --- | --- | --- | --- |
| MO ST7 | 0 | 2 (100%) | 2 |
| OST3 | 1 | 0 ( 0%) | 1 |
| OST4 | 1 | 6 ( 86%) | 7 |
| OST5 | 6 | 22 ( 79%) | 28 |
| OST6 | 4 | 17 ( 81%) | 21 |
| OST7 | 6 | 3 ( 33%) | 9 |
| Total | 18 | 50 | 68 |

1. Breakdown of results by number of previous attempts

| **Sitting Attempt** | **Failed** | **Passed %** | **Total** |
| --- | --- | --- | --- |
| 1 | 28 | 47 (63%) | 75 |
| 2 | 6 | 8 (57%) | 14 |
| 3 | 9 | 3 (25%) | 12 |
| 4 | 1 | 3 (75%) | 4 |
| Total | 45 | 61 | 106 |

## Comparison to previous examinations

1. Comparison to previous examinations

| **Date** | **Candidates** | **MCQ pass mark** | **MCQ Reliability** | **Viva pass mark** | **Viva Reliability** | **OSCE pass mark** | **OSCE Reliability** | **Written pass rate** | **Oral pass rate** | **Overall pass rate** | **Oral pass rate in OST** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| April 13 | 109 | 61% | 0.8 | 60% | 0.8 | 63% | 0.8 | 85% | 57% | 48% | 56% |
| Nov 12 | 103 | 59% | 0.8 | 58% | 0.9 | 61% | 0.8 | 93% | 58% | 53% | 64% |
| April 14 | 104 | 58% | 0.8 | 57% | 0.8 | 61% | 0.8 | 90% | 58% | 51% | 65% |
| Nov 14 | 79 | NA\* |  | 63% | 0.8 | 62% | 0.7 | NA\* | 63% |  | 70% |
| April 15 | 77 | NA\* |  | 60% | 0.9 | 60% | 0.9 | NA\* | 62% |  | 80% |
| Nov 15 | 72 | NA\* |  | 61% | 0.8 | 62% | 0.8 | NA\* | 69% |  | 86% |
| April 16 | 61 | NA\* |  | 63% | 0.8 | 63% | 0.9 | NA\* | 56% |  | 69% |
| Nov 16 | 107 | NA\* |  | 60% | 0.8 | 63% | 0.8 | NA\* | 71% |  | 84% |
| April 17 | 105 | NA\* |  | 61% | 0.8 | 63% | 0.8 | NA\* | 66% |  | 82% |
| Nov 17 |  | NA\* |  |  |  |  |  | NA\* |  |  |  |
| April 18 | 74 | NA\* | NA\* | 62% | 0.8 | 60% | 0.8 | NA\* | 70% | NA\* | 80% |
| November 18 | 106 | NA\* | NA\* | 58% | 0.8 | 64% | 0.8 | NA\* | 58% | NA\* | 74% |
| \* The MCQ examination is now de-coupled from the oral examination |

1. Cumulative results by deanery (September 2010 to date)

| **Deanery** | **Number of passes** | **Number of candidates** | **Pass Rate (%)** |
| --- | --- | --- | --- |
| East Midlands |  35 |  49 | 71.4 |
| East of England |  33 |  58 | 56.9 |
| East of Scotland |  9 |  10 | 90.0 |
| Europe and Overseas |  3 |  10 | 30.0 |
| London KSS | 197 |  260 | 75.8 |
| Mersey |  37 |  53 | 69.8 |
| North of Scotland |  9 |  14 | 64.3 |
| North Western |  38 |  68 | 55.9 |
| Northern |  29 |  41 | 70.7 |
| Northern Ireland |  15 |  19 | 78.9 |
| Oxford |  33 |  39 | 84.6 |
| Peninsula |  15 |  28 | 53.6 |
| Severn |  28 |  38 | 73.7 |
| South East of Scotland |  17 |  22 | 77.3 |
| Wales |  25 |  44 | 56.8 |
| Wessex |  20 |  38 | 52.6 |
| West Midlands |  56 |  90 | 62.2 |
| West of Scotland |  26 |  43 | 60.5 |
| Yorkshire |  51 |  88 | 58.0 |
| **Total** | **676** | **1012** | **66.8** |