Postgraduate Medical Training

Research and Scholarshipsyllabus

OST Curriculum domain

|  |  |
| --- | --- |
| **Level 1** | |
| **Learning Outcome** | **Descriptors** |
| ***An ophthalmologist achieving this level will, in addition:*** | |
| **Adopt an evidence-based approach to clinical practice.** | * Understand GMC guidance on good practice in research. * Understand the difference between audit and research. * Understand some of the following areas: research ethics, research design, literature / database searching, evidence appraisal skills, statistical approaches, funding for research. * Undertake one audit, which can take the form of leading a local departmental audit or demonstrating involvement in a national audit. |
| **Critically appraise existing published research.** | * Understand principles of qualitative, quantitative, bio-statistical and epidemiological research methods. * Critically appraise one published clinical trial and present to clinical supervisor. |
| **Distil research and deliver oral presentations.** | * At least one presentation to local postgraduate teaching / Journal Club. * At least one presentation at regional annual trainees’ research symposium. |

|  |  |
| --- | --- |
| Level 2 | |
| **Learning Outcome** | **Descriptors** |
| ***An ophthalmologist achieving this level will, in addition:*** | |
| **Implement an evidence-based approach to shared decision making and enhancing patient outcomes.** | * Demonstrate secure understanding of principle qualitative, quantitative, bio-statistical and epidemiological research methods. * Identify a research question relevant to clinical practice and undertake a literature review to identify what is known on the topic. * Publish at least one peer-reviewed review (systematic or literature) on subject of trainee’s choice (in close collaboration with clinical supervisor). |
| **Demonstrate competencies for commencing clinical research.** | * Collect evidence for portfolio that demonstrates ability to apply knowledge encompassing research ethics, research design, literature/database searching, evidence appraisal skills, statistical approaches, funding for research. |
| **Distil research, deliver poster presentations and improve oral presenting.** | * Critically appraise one published clinical trial and present to local postgraduate teaching / Journal Club. |

|  |  |
| --- | --- |
| Level 3 | |
| **Learning Outcome** | **Descriptors** |
| ***An ophthalmologist achieving this level will, in addition:*** | |
| **Implement service improvement by revision and development of guidelines, treatments and practical procedures using current clinical research and contemporary evidence.** | * Acquire additional research skills relevant to own clinical or research interests. * Develop and commence a research study to address research question identified at Level 2. |
| **Lead research sessions and critically appraise oral presentations.** | * Chair and organise local postgraduate teaching at least once. * Give formative feedback to presenters at above session. |

|  |  |
| --- | --- |
| Level 4 | |
| **Learning Outcome** | **Descriptors** |
| ***An ophthalmologist achieving this level will, in addition:*** | |
| **Understand the principles of research methods, research governance, application of ethics to research and the translation of research into practice.** | * Apply advanced knowledge of principles of qualitative, quantitative, bio-statistical and epidemiological research methods. * Apply involvement in research governance and research ethics applications, e.g. Health Research Authority and Research Ethics Committee (REC) for a clinical research project. * Apply adherence to GMC and other guidance on ethical conduct in research and consent for research. * Apply service improvement by revision/development of guidelines based on: contemporary clinical research/evidence; own research. |
| **Promote innovation in ophthalmology.** | * Have undertaken evidence review to inform own research. * Continue own research to completion – producing peer-reviewed papers as first or lead author is one way to demonstrate competence. * Demonstrate collaboration and participation in research led by others. |