

DEVELOPING AN ELEARNING
PATHOPHYSIOLOGY MODULE: MAINTAINING
STANDARDS IN AN ERA OF CUTS

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Background

- KCH ICU has a very structured educational pathway
- Post registration Physiology module essential in preparing nurses for the ICU course
- KCH used to commission approximately 40 nurses per year costing £1,100 per student.
- Significant cuts to educational budget despite increase in nursing workforce, patient numbers and acuity.

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Aim

- Maintain high educational standards despite budget cuts.

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ADVANCED PATHOPHYSIOLOGY

PDN team Created an eLearning programme consisting of 6 modules using KHP learning hub.

- Cellular Function
- Advanced Respiratory
- Haemodynamics and Blood Pressure Regulation
- Neural Regulation and Neural Transmission
- The Renal System and Endocrinology
- Immunology and Thermoregulation

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Learning Hub

[Back to My Learning Hub](#)

Home ▶ Allergy, Respiratory, Critical Care, Anaesthetics and Therapies ▶ Advanced pathophysiology

[Turn editing on](#)

Navigation

Home

- Dashboard
- ▶ Site pages
- ▼ Current Learning Material
 - ▼ **Advanced pathophysiology**
 - ▶ Participants
 - ▶ Badges
 - ▶ Welcome to the course
 - ▶ 1. Cellular Function
 - ▶ 2. Advanced Respiratory Pathophysiology
 - ▶ 3. Haemodynamics and Blood Pressure Regulation
 - ▶ 4. Neural Regulation and Neurotransmission
 - ▶ 5. Renal System and Endocrinology
 - ▶ 6. Immunology and Thermoregulation
 - ▶ Learn More
 - ▶ My Learning Materials

Advanced Pathophysiology for Critical Care Nursing

These workbooks and reading recommendations were created to support Band 5 critical care nurses who have already completed the Introduction to Critical Care course.

All Learning Hub users are also welcome to use the workbooks and links to support their own revision and further study.

If you are a participant on the Advanced Pathophysiology course for critical care nurses at King's College Hospital, please start by reading the welcome note below carefully.

Or please scroll down and click on the topic titles to go directly to the workbooks and additional resources.



Welcome to the course

Welcome to your **Advanced Pathophysiology for Critical Care Nursing** course! This course has been designed to support Band 5 critical care nurses who have already completed the **Introduction to Critical Care Nursing** course.

Each unit contains an **interactive workbook** and a **resource list**. The workbooks contain a variety of questions, which must be completed in full. You will be expected to achieve a minimum of 65% on each workbook, and will get immediate feedback on your answers.

The questions were designed to guide your reading and it is expected that you **read thoroughly around the subject areas** featured, to ensure you are developing your knowledge in the relevant pathophysiology of the critically ill patient. This will later be tested in the **end of course exam**, organised by the Practice Development Team, which will assess your knowledge in the key areas identified.

The resource lists provide useful reading including textbook(s), websites, and online videos. The textbook(s) listed are there to guide those who may not already have their own pathophysiology textbook. For those that do, it is acceptable to use a book which you have previously found to suit your learning style.

We hope you enjoy the course and wish you best of luck!

Critical Care Practice Development Nursing Team, King's College Hospital

1. Cellular Function

Quiz: 1 Questionnaire: 1 URLs: 10 Page: 1
Progress: 1 / 3

2. Advanced Respiratory Pathophysiology

Quiz: 1 Questionnaire: 1 URLs: 6 Page: 1

ADVANCED PATHOPHYSIOLOGY

- 6 core modules to be completed (pass mark of 65%)
- Immediate feedback on your answers
- Exam consisting of 60 MCQ
- Each module contains links to learning resources (textbooks, videos, research articles).
- Elearning course was validated by internal and external nurses of mixed experiences and academic background.

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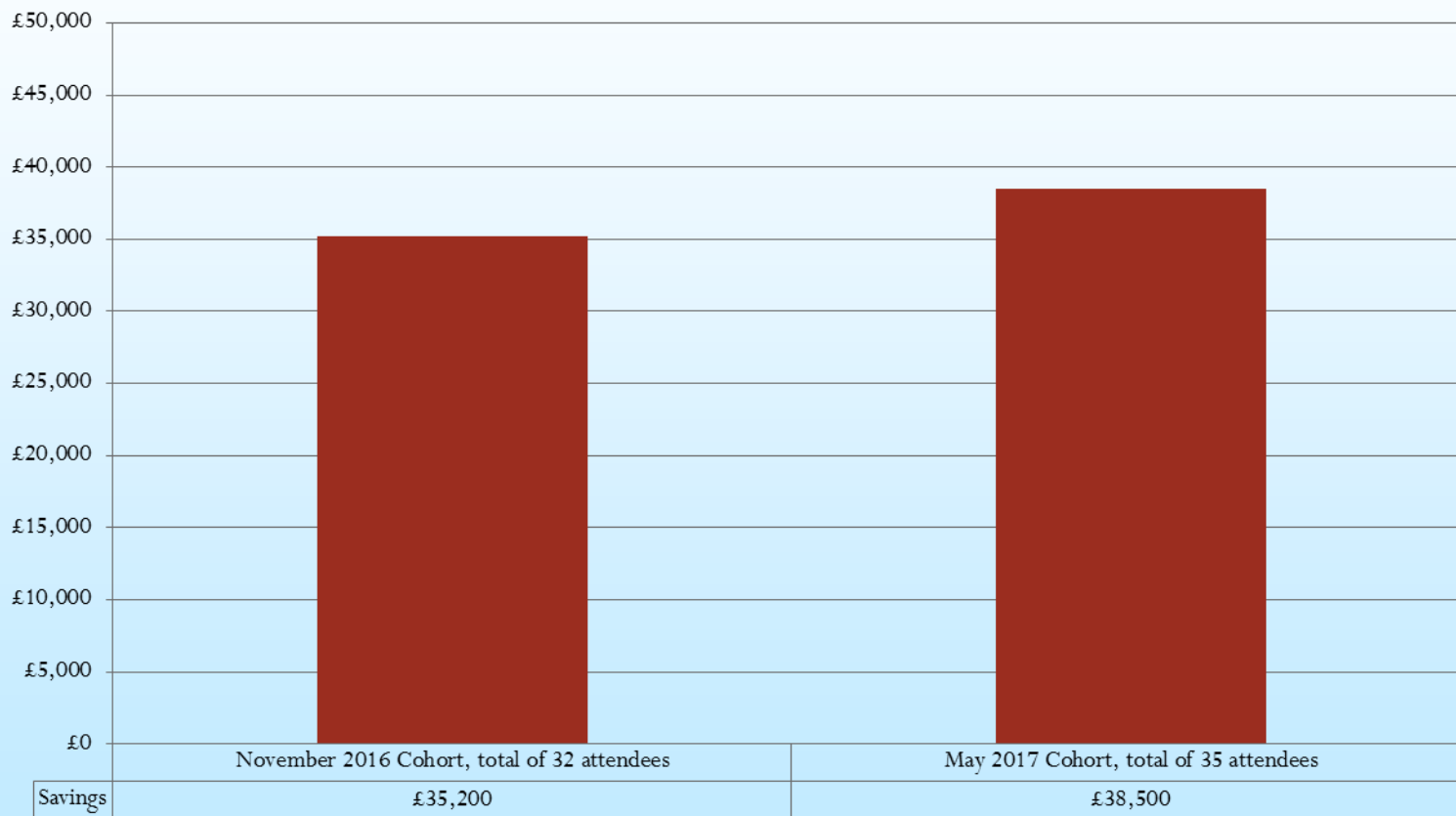
ADVANCED PATHOPHYSIOLOGY

- Learning module gives nurses extra flexibility as learning is remote
- Multiplatform system- can be accessed from anycomputer, tablet etc
- Guideline for module completion (2 weeks per module) to ensure timely completion

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67 NURSES ENROLLED ONTO COURSE AND COMPLETED.

Current Savings



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COST SAVINGS

- Trust savings to date £73,700
- We plan on running the course 3 times as per academic year enrolling approx 45 nurses each term.
- Predicted annual savings £148,500

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COURSE FEEDBACK

- Positive feedback from past and existing attendees.

“The workbook was very helpful in understanding physiology at the cellular level”

“Immunology was not easy, but has helped me to gain knowledge and understanding of the inflammation process. Many thanks for giving us a chance to do this course”.

“Very useful material”

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COURSE FEEDBACK

- Following November 16 cohort. Individual workbook feedback was evaluated and adjustment's were made accordingly.
- Will continue to review feedback after each term and make amendments as needed

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VISITORS TO MODULE

- 45 Visitors to learning Moodle (not enrolled but viewed workbooks. Mostly GSTT staff from previous ICCC). 10 have complete at least one workbook and a few have done the whole course

- **Contact Details**
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