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| Course Title | Integrated Clinical Practice III | | | | | | | |
| Course Code | MED-305 | | | | | | | |
| Course Type | Required | | | | | | | |
| Level | Undergraduate | | | | | | | |
| Year / Semester | Year 3/ Semester 5 (Fall) | | | | | | | |
| Teacher's Name | <p>Course Lead: Dr Evie Vassiliou</p> <p>Contributors: Dr George Athanasiou Dr Panayiota Andreou</p> | | | | | | | |
| ECTS | 6 | Lectures / week | / | 1 | Laboratories / week | 3 | Clinical Practice | 2 |
| Course Purpose and Objectives | <p>This is the third Integrated Clinical Placement course that students will undertake. The aim is for students build on the clinical and communication skills learnt in MED-205 and MED-210.</p> <p>They will practise further clinical and communication skills related to the courses running concurrently, initially on each other and subsequently on selected patients in the community.</p> <p>Communication Skills: Students, in small groups, will learn the basic principles of patient doctor communication, and will learn how to gather information from a patient and how to give information to a patient. Simulated patients are used during the sessions.</p> <p>Clinical Skills: Students, in small groups, will practise some of the basic aspects of clinical skills in medicine using mannequins and simulated patients (*SPs). All clinical examinations will be peer examinations i.e. the students will be examining each other simulated patients' examinations.</p> <p>Clinical Placements: Students will attend one clinical placement on Stroke.</p> <p>Workshops: Students will attend one workshop on Stroke.</p> <p>In addition to the above additional lectures will be scheduled to enhance the learning experience and to re-visit some topics covered in years 1 and 2 (spiral learning). These sessions will be in the areas of age related findings, professionalism, paediatrics, medical psychology and law.</p> | | | | | | | |
| Learning Outcomes | <p>The following list provides the learning objectives that will be covered in sessions of each week:</p> <p>Week 1</p> <p>Communication skills:</p> <ol style="list-style-type: none"> 1. Identify the importance of critical reflection on own beliefs or perspective | | | | | | | |

2. Identify the key communication skills which are necessary to critically reflect on own beliefs or perspective
3. Demonstrate through exercises and role-play the appropriate skills for critically reflecting on own beliefs or perspective and for working effectively with diverse populations.

Week 2

Clinical skills:

4. Perform a full neurological examination of upper and lower limbs on a colleague.

Lecture: 'Adulthood: Normal physical changes' -Lecture (Age related findings – Dr Irene Cotter)

5. Describe normal physical changes associated with adulthood.

Lecture: 'Adulthood: Developmental stages' -Lecture (Age related findings – Dr Irene Cotter)

6. Describe developmental stages associated with adulthood.

Week 3

Communication skills:

7. Identify the importance of lay health beliefs in medical consultations
8. Identify the importance of cultural competence in medical consultations
9. Practice appropriate communication skills and cultural competence to elicit a history from a patient

Clinical skills:

10. Perform a full neurological examination of upper and lower limbs on a colleague.

Lecture: 'Patient safety' (Professionalism Dr Elpida Mina).

11. Describe and analyse the causes of medical error and threats to patient safety.
12. Outline and discuss individual and organisational strategies used to optimise patient safety.

Lecture: 'Adulthood: Lifestyle and routine preventive care' -Lecture (Age related findings – Dr Irene Cotter)

13. Describe the role of lifestyle in the prevention of diseases and in the promotion of a longer period of good health in adults.
14. Explain how preventive measures and screening can be used to achieve a longer period of good health in adults.

Week 4

Communication skills:

15. Identify how patients experience their chronic illness and how their biography is affected.
16. Identify the necessary communication skills in order to take history from a chronic patient with multiple sclerosis.
17. Practice appropriate skills to take history from a patient with multiple sclerosis.

Clinical skills:

18. List the cranial nerves and their functions.
19. Carry out a competent examination of the cranial nerves on a colleague.

Workshop & Clinical Placement on Stroke

20. Define and outline the classification of stroke.
21. Describe the risk factors for stroke.
22. Recognise the signs and symptoms of stroke.
23. Explain the social impact of stroke on the patient.
24. Describe the principles of primary and secondary prevention.
25. Describe the management of a patient with stroke.
26. Take history from a patient with stroke.
27. Perform a focused neurological exam on a patient with stroke.

Week 5

Communication skills:

28. Describe the challenges when interviewing adolescents
29. Identify & practice C/C skills of information gathering when interviewing adolescents during medical consultations

Clinical skills:

30. Demonstrate a systematic approach to examination of the breast using a manikin, in order to identify any abnormalities.

Lectures:

'Infancy and childhood: Normal physical changes and developmental stages'

(Paediatrics-Dr Leda Theophilou)

31. Describe the endocrine control of growth.
32. Describe the principles of plotting measurements on growth charts (weight, height, head circumference).
33. Explain variations in linear growth, including constitutional delay.

34. Explain the findings of normal physical examination in children.
35. Outline principles of nutrition in infancy and childhood.
36. Discuss the investigation and management of a child who is growth faltering.
37. Define primary and secondary enuresis.
38. Describe the investigation of a child with enuresis.
39. Outline the management of enuresis.
40. Describe common sleep disorders in children.
41. List the normal primitive reflexes and when they should disappear.
42. List the developmental milestones by age.
43. Define developmental delay.
44. Outline different patterns of developmental delay and how they can be investigated.
45. Describe how developmental delay can be managed by key members of the Multidisciplinary Team (MDT).

Week 6

Communication skills:

46. Identify the key clinical communication skills, including shared decision making, which are necessary to communicate effectively with older persons.
47. Identify the importance of stereotypes in medical consultations.
48. Demonstrate through role-play the appropriate skills for structuring the consultation, building rapport, information gathering.
49. Demonstrate through role-play the appropriate skills for shared decision making.

Clinical skills:

50. Practise male urethral catheterisation on a mannequin.
51. Outline the principles of an aseptic technique.
52. Identify indications and complications of male catheterisation.

Week 7

Communication skills:

53. Identify the challenges related to information giving about neurological-related problems
54. Observe or practice appropriate skills to provide information and achieve shared decision making.

Clinical skills:

55. Discuss the indications and contraindications for ABG sampling.
56. Discuss and perform Allen's test.
57. Practise taking an ABG from a mannequin.
58. Discuss how to interpret an ABG.

Lecture:

'Child Abuse'

(Psychology-Ms Maria Perdikogianni)

59. Define child abuse and neglect.
60. List and describe the different types of abuse in children.
61. Describe the physical, psychological/emotional and cognitive symptoms of abuse in children
62. Outline the stages of management of child abuse cases by physicians in the UK.
63. Discuss when medical confidentiality can be breached.

Week 8

Clinical skills:

Review session

Lecture: 'Adolescence: Lifestyle and routine preventive health care'

(Paediatrics – Dr Irene Cotter)

64. Define and describe the characteristics of normal adolescence as a life phase.
65. Outline the major causes of mortality and morbidity in the adolescent age group.
66. Describe why health is so important during adolescence.
67. Describe the aims barriers and challenges in routine preventive health in adolescence.
68. Describe the guidelines for nutrition and physical activity in adolescence.
69. Describe the guidelines for reduction and mitigation of risk-taking behaviour- safe sex, motor vehicles seat belts and helmets.
70. Outline routine vaccination schedules and travel medicine.
71. Explain effective implementation and evaluation of preventive health care in adolescence.

Week 9

Lecture: 'Adolescence: Normal physical changes'

(Paediatrics - Dr Nicos Skordis)

72. Outline the main changes occurring in adolescence in cognitive, moral and social development.
73. Describe the role of peers in the development of Identity.
74. Describe problems associated with adolescence.

'Infancy and childhood: Lifestyle and routine preventive health care'

(Paediatrics-Dr Leda Theophilou)

75. Discuss how children are screened for hypothyroidism and other congenital/ metabolic diseases.
76. Outline the clinical effects, screening and treatment of phenylketonuria (PKU).
77. Outline the newborn screening programme for hearing.
78. Describe the common routine childhood immunisation schedules.
79. List vaccinations that need to be given to risk groups.

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| | <p>80. Describe the public health importance of immunisation, including the global context.</p> <p>81. Identify the true and false contraindications to immunisation.</p> <p>82. Describe attitudes that encompass promotion of healthy lifestyles for children and families.</p> <p>83. Define childhood obesity, and outline the incidence and public health measures of dealing with this condition.</p> <p>84. Recognise the importance of educating the public about environmental factors that can adversely affect children and developing community programs to promote the health of children.</p> <p>85. Demonstrate an awareness of the unique vulnerabilities of infants and children.</p> <p>86. List the risk factors for Sudden Infant Death Syndrome (SIDS).</p> <p>Week 10</p> <p>No sessions in week 10.</p> <p>Week 11</p> <p>Lecture: 'Adult abuse I & II' - Lectures (Psychology - Dr Stelios Georgiades)</p> <p>87. Outline the different types of abuse in adults.</p> <p>88. Describe the psychological impact of abuse in adult victims.</p> <p>89. Describe available psychological treatment and interventions for adult victims.</p> <p>Week 12</p> <p>No sessions in week 12.</p> | | |
| | <p>MED-205 Integrated Clinical Practice I</p> <p>MED-210 Integrated Clinical Practice II</p> | <p>Required</p> | <p>None.</p> |
| <p>Course Content</p> | <p><u>Topics covered in communication skills:</u></p> <ul style="list-style-type: none"> • Chronic Illness – Empathy - SPs – 2 role plays • Cultural Competence / Health Beliefs - SPs – 2 role plays • Critical reflection on own beliefs or perspective SPs – 2 role plays • Information Giving – shared decision making – Neurological history - SPs – 2 role plays • Communicating with the Elderly - SPs – 2 role plays <p><u>Topics covered in clinical skills:</u></p> <ul style="list-style-type: none"> • Neurological Examination 1 • Neurological Examination 2 • Cranial Nerves | | |

| | <ul style="list-style-type: none"> • Breast Examination • Male Catheterization • Arterial Blood Gases (ABG) <p><u>Topics covered in other lectures and tutorials:</u></p> <ul style="list-style-type: none"> • Patient safety • Adulthood: Normal physical changes • Adulthood: Developmental stages • Adulthood: Lifestyle and routine preventive health care • Adult abuse • Infancy and childhood: Normal physical changes and developmental stages • Infancy and childhood: Lifestyle and routine preventive health care • Sexual abuse against children: The legal parameters for medical personnel • Child Abuse • Adolescence: Normal physical changes • Adolescence: Lifestyle and routine preventive health care • Senescence: Normal physical changes • Senescence: Lifestyle and routine preventive health care <p><u>Workshop:</u></p> <ul style="list-style-type: none"> • Stroke <p><u>Clinical Placements: 1 Protected Time Session (PTS)</u></p> <ul style="list-style-type: none"> • PTS on Stroke | | | | | | | | | | |
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| Teaching Methodology | <p>The course is delivered through small group teaching in both clinical and communication skills.</p> <p>Communication skills: small group teaching, group discussions, role playing with SPs.</p> <p>Clinical skills: small group teaching, demonstration of examination techniques, and examinations on peers/SPs, practising and performing the skills on mannequins.</p> <p>Clinical Placements: There will be 1 clinical placement during this semester where students will get to see patients under supervision. There will be one protected time session (PTS).</p> <p>Lectures, tutorials and workshops: In addition to the sessions shown above, lectures, tutorials and workshops will be scheduled in the fields of age related findings, professionalism, paediatrics, medical psychology and law.</p> | | | | | | | | | | |
| Bibliography | <p>Required Textbooks/Reading:</p> <table border="1"> <thead> <tr> <th>Authors</th> <th>Title</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | Authors | Title | Publisher | Year | ISBN | | | | | |
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| | Silverman J, Kurtz S, Draper J. | Skills for communicating with patients | Radcliffe Medical Press 3 rd Edition | 2013 | 9781846193651 https://ebookcentral.proquest.com/lib/nico-sia/detail.action?docID=4742673 |
| | J. Alastair Innes (ed.) | Macleod's clinical examination | Elsevier Churchill Livingstone 14 th Edition | 2018 | 9780702069932 |
| | Khan, H et al. | OSCEs for Medical Finals | Blackwell, Oxford 1 st Edition | 2013 | 9780470659410 |
| | Recommended Textbooks/Reading: | | | | |
| | Authors | Title | Publisher | Year | ISBN |
| | Talley and O'Connor | Talley and O'Connor clinical examination: a systematic guide to physical diagnosis | Elsevier 9 th Edition | 2021 | 9780729544245 |
| Assessment | Clinical placements attendance and professional behaviour (10%) Formative mini OSCE. End-of-Year OSCE (Semester 6; 90%). | | | | |
| Language | English | | | | |