

CCPM Membership Written Exam

Reading syllabus - Part I – General Medical Physics

This is not meant to be a definitive list of references, but a good selection that should help prepare the candidate for the general medical physics questions in Part I of the written membership exam.

Radiotherapy

1. The physics of radiation therapy (4th Ed.), F.M. Khan, Lippincott Williams & Wilkins, Philadelphia, 2010.
2. Radiation oncology physics: a handbook for teachers and students, E.B. Podgorsak (Editor); IAEA, Vienna, 2005.

Diagnostic Imaging

3. Essential Physics of Medical Imaging (3rd Ed.), J.T. Bushberg, J.A. Seibert, E.M. Leidholdt, J.M. Boone; Lippincott Williams & Wilkins, Philadelphia, 2001.
4. Review of Radiological Physics (3rd Ed.): W. Huda, R.M. Slone; Lippincott Williams & Wilkins, Philadelphia, 2010.

Nuclear Medicine

5. Physics in Nuclear Medicine (4th Ed.), S.R. Cherry, J.A. Sorenson, M.E. Phelps, Elsevier Saunders, Philadelphia, 2012.
6. Essential Physics of Medical Imaging (3rd Ed.), J.T. Bushberg, J.A. Seibert, E.M. Leidholdt, J.M. Boone; Lippincott Williams & Wilkins, Philadelphia, 2001.

MR Imaging

7. Principles of Magnetic Resonance Imaging: A Signal Processing Perspective, Z-P Liang and P.C. Lauterbur, IEEE Press, New York, 2000.
8. Essential Physics of Medical Imaging (3rd Ed.), J.T. Bushberg, J.A. Seibert, E.M. Leidholdt, J.M. Boone; Lippincott Williams & Wilkins, Philadelphia, 2001.

Statistics

9. Introductory Medical Statistics, R.F. Mould, Medical Science Series, 1998.

Radiation Biology

10. Radiation Biology for the Radiologist (7th Ed.), E.J. Hall and A.J. Giaccia, Lippincott Williams & Wilkins, Philadelphia, 2012.

Physiology/anatomy

Almost any first year university textbook on introductory anatomy and physiology would go into more detail than needed, such as:

11. Human Anatomy by K.M. Van de Graaff, OR
12. Introduction to Anatomy and Physiology by S.J. Hall, M.A. Provost-Craig and W.C. Rose,
OR
13. Introduction to Anatomy and Physiology by D.C. Rizzo