

HKCRRT Certified Mammographers

1. Admission of Members

- 1.1 A candidate may admit as a Member of the HKCRRT (Mammography) and is entitled to use the title MHKCRRT(Mammo) if satisfying the enlisted requirements.
- 1.2 Being a Radiographer registered with the Hong Kong Radiographers Board; **AND**
- 1.3 Have had 5 years of post-registration working experience in radiography, medical imaging or radiotherapy; **AND**
- 1.4 Academic requirements
 - 1.4.1 A recognized Master degree or above in Mammography ; **OR**
 - 1.4.2 A recognized Bachelor degree in medical imaging or related fields or Professional Diploma in Diagnostic Radiography (PDDR) of the Hong Kong Polytechnic University or equivalent, plus a Mammography specialist qualification recognized by the College (as outlined below in Section 2); **AND**
- 1.5 Have completed the required clinical training or experience (as outlined below in Section 3); **AND**
- 1.6 Being recommended by the Council.

2. Part (A) Academic Requirements

Syllabus for specialists in Mammography

(A) *Basic Mammography knowledge and concept*

- 1) History of mammography
- 2) Clinical importance of mammography
- 3) Physics of mammography
- 4) Breast self examination
- 5) Anatomy and physiology of the normal breast
- 6) Criteria for Screening Mammography and Diagnostic Mammography
- 7) The use of other imaging modalities procedures in further investigation
- 8) Mammographic equipment
- 9) Film-screen combination
- 10) Mammographic image quality
- 11) Digital mammography and image receptor characteristics.

(B) *Mammogram pattern recognition*

(C) *Basic and advanced Mammographic projections*

(D) *Protocol for breast screening, diagnostic imaging and interventional procedures*

(E) *Trouble shooting in mammography*

- 1) Confident and proficient in all special views and modified mammographic techniques for all kinds of subjects
- 2) Solutions to problems in operation and workflow

(F) *Breast pathology*

- 1) Mammographic film interpretation
- 2) Histology
- 3) Cytology

(G) *Management of breast disease and treatment options*

(H) *Special procedures*

- 1) Advanced mammographic projections
- 2) Interventional procedures- preparation, procedures, and after care
- 3) Breast ultrasound
- 4) MRI breast imaging
- 5) NM scintigram, sentinel node

(I) *Nursing care*

(J) *Sterile procedures*

(K) *Quality management*

- 1) Quality assurance programme
 - a) Sensitometry test
 - b) QA for Mammography machine
 - c) Dark room test
 - d) QA for all the accessories.
- 2) Recognition of film critique / artifacts
- 3) Arrangement and actions to be taken during machine breakdown
- 4) Machine failure reporting system
- 5) Problem solving in film processing
- 6) Quality assurance record system
- 7) Quality control tests
- 8) Solutions to overcome the image artifacts

(L) *Technology update*

(M) *Radiation protection*

(N) *Issues of research*

(O) *Patient relations and education*

(P) Patient psychology and stress management

(Q) Medico-legal aspect

(R) Management and supervisory skills

(S) Occupational Safety and Health (OSH)

3. Part B: Clinical Requirements

3.1 The candidates are required to have 2 years of clinical mammography experience and have to complete 500 sets of 4 views Single handed Mammogram in a year preceding the application for members.

3.2 For the latest 250 sets of mammogram:

Film rating > 75% should be in Perfect or Good Group

>97% should be in P, G, M groups in the PGMI rating system – assessed and endorsed by mammography specialty supervisor

3.3 The clinical component requires the candidates' Mammography Specialty Supervisor to acknowledge completion of the required clinical examinations.

4. HKCRRT Certification Examination for MAMMO

4.1 A Mammography specialist qualification is available to candidates who have attained a grade of 75% or above in an examination set by the Mammography Faculty of HKCRRT **AND** performed the required clinical training as outlined in Section 3.

4.2 The formal examination will involve a 3-hour written paper consisting of not more than 150 multiple choice questions covering topics as stated in Mammography training curriculum.

4.3 Submission of 10 sets of Mammogram films for assessment.

5. Admission of Fellows

5.1 A candidate may admit as a Fellow of the HKCRRT and is entitled to use the title FHKCRRT (Certified Mammographer) if satisfying the enlisted requirements.

5.2 Being a Radiographer registered with the Hong Kong Radiographers Board; **AND**

5.3 In possession of the academic & clinical requirements

5.3.1 A recognized Doctorate in Mammography with 8 years of post-registration clinical experience; **OR**

5.3.2 A recognized Master degree in Mammography or a Mammography specialist qualification recognized by the HKCRRT; plus 3-year full time equivalent post specialization clinical experience of mammography; **AND**

- 5.3.3 Not less than 50 single handed stereotactic interventional procedures including stereotactic biopsy, vacuum assisted biopsy and galactogram in 2 years; **AND**
- 5.3.4 Not less than 30 Ultrasound guided interventional procedures in 2 years; **AND**
- 5.4 2 publications in peer-reviewed journals; **AND**
- 5.5 2 episodes in teaching / lecturing / presentation in open conferences; **AND**
- 5.6 Being recommended by the Council.
- 5.7 The clinical experience component requires the candidate's Specialty Supervisor to acknowledge completion of the requirements.
- 5.8 If applicants apply for fellowship directly, the clinical requirement as stated in Section 3 should be fulfilled.

- 6. **Continuing Professional Development (CPD)**
- 6.1 The Mammography practitioner must accrue at least 45 CPD credits in each triennium, of which 15 credits are relevant to Breast Imaging; **AND**
- 6.2 Clinical involvement in breast imaging for an average of 150 hours per year in order to maintain the certified specialist credential.