



Advanced MIS, Robotic & Ablation Society
of Gynaecologists Malaysia

AMRAS – SAYGE Certification (ASC) Guideline

Procedure: MWA (Microwave Ablation)

*An up-to-date AMRAS Membership Subscription
is compulsory in order to apply for certification*

Prepared by: AMRAS

The Advanced MIS, Robotic & Ablation Society of Gynaecologists Malaysia

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Important Disclaimer:

ASC Steps 1-3 and CCT are aimed at surgical training of candidate. ASC and certificate of completion of training (CCT) marks candidate's successful completion of stringent preset requirements by AMRAS to be awarded certificate as recognition to candidates' dedication and ability to perform said procedure(s) to satisfaction of expert surgeons/proctors in respective field(s). The certificates do not replace the need for individual credentialing and privileging of surgeon by his/her place of practice with approval of relevant hospital credentialing & privileging committee before performing said procedure(s).

Current ASC MWA Proctors List

- I. Dr Tan Ee Ping
- II. Professor Dr Mukhri B. Hamdan
- III. Dr Sundar Gungan Santhana Dass

Expenses and Cost incurred to candidate:

Step 1 / Microwave Ablation Workshop current registration fee: RM1000.

(For candidate who fail step1 – repeat/resit registration fee at RM500 for subsequent Step 1 course).

Step 2 Application Fee: RM1000

Step 3 Application Fee: RM1000

ASC Step 1: (Course/Workshop Overview)

Introduction to Microwave Ablation

- Overview of microwave technology
- Mechanism of action. How Microwave energy destroy tissue
- Any safety considerations?

MRI and Ultrasound tips and skills for Microwave ablation

- Overview of equipment and transducers
- Principles of ultrasound guided needle placement
- Step by step guidance

Microwave Ablation Procedure: Laparoscopic route

- Step-by-step guide to performing MWA for fibroids and adenomyosis.
- Instrumentation: Microwave antenna and ultrasound guidance
- Intraoperative considerations and safety measures.

Microwave Ablation Procedure: Transcervical route

- Step-by-step guide to performing MWA for fibroids and adenomyosis.
- Instrumentation: Microwave antenna and ultrasound guidance
- Intraoperative considerations and safety measure

Microwave Ablation Procedure: Percutaneous route

- Step-by-step guide to performing MWA for fibroids and adenomyosis.
- Instrumentation: Microwave antenna and ultrasound guidance
- Intraoperative considerations and safety measures.

Clinical Outcomes and Follow-up

- Assessing treatment efficacy: Volume reduction ratios (VRRs) and symptom improvement.
- Long-term outcomes: Pain relief, quality of life, and fertility.

Managing complications and adverse events **Hands-on Training and Simulation (1)**

- Practicing ultrasound-guided biopsies on phantoms or models.
- Needle placement and tissue sampling.
- Real-time feedback and troubleshooting

Hands-on Training and Simulation (2)

- Practical sessions on MWA techniques using simulators or models.
- Tips for optimal microwave energy delivery.
- Troubleshooting common challenges.

Theoretical Test / Written test – MCQ – pass mark 80/100

Award of Step 1 certificate

ASC Step 2

Candidate apply in writing to AMRAS secretariat with step1 certificate + RM1000 application fee (payable to AMRAS)

AMRAS Ablation Committee Chairman/Vice Chairman assigns proctor to candidate

Candidate can then choose, either to:

(i) Engage Proctor directly and make arrangements with proctor- i.e.: Proctor gets paid surgeon fee equivalent of procedure, proctor accommodation and travel covered by candidate. Candidate can make as many sessions to fulfill pass requirement as needed with proctor, by own arrangement. Cases can be performed in candidate's hospital or proctor's hospital, depending on the discussion between proctor and candidate.

(ii) Apply for AMRAS educational partner support for proctor's accommodation and travel expenses. Proctor gets paid surgeon fee equivalent of procedure. Candidate can make as many sessions to fulfil pass requirement as needed with proctor, by own arrangement. Cases can be performed in candidate's hospital or proctor's hospital, depending on the discussion between proctor and candidate

Recommended 3-5 cases of actual surgery observation/ Assisting AMRAS recognized Proctor.

(Appendix 1: Candidate logbook)

Logbook of procedures to be maintained by candidate

(Appendix 2: Proctor report on candidate performance) and whether Pass/Remedial needed to complete step 2

Proctors report on candidate performance, written assessment – these to be submitted to AMRAS Ablation Committee Chairman/Vice Chairman for final approval.

Once approved by AMRAS Ablation Committee Chairman/Vice Chairman - candidate is awarded step 2 certificate

ASC Step 3

Candidate apply in writing to AMRAS secretariat with step 1 and 2 certificate + RM1000 application fee (payable to AMRAS)

****Subsequent Flow similar to Step 2***

Candidate can then choose, either to:

(i) Engage Proctor directly and make arrangements with proctor- i.e.: Proctor gets paid surgeon fee equivalent of procedure, proctor accommodation and travel covered by candidate. Candidate can make as many sessions to fulfill pass requirement as needed with proctor, by own arrangement. Cases can be performed in proctor's hospital or candidate's hospital, as per discussion between proctor and candidate.

(ii) Apply for AMRAS educational partner support for proctor's accommodation and travel expenses. Proctor gets paid surgeon fee equivalent of procedure. Candidate can make as many sessions to fulfill pass requirement as needed with proctor, by own arrangement. Cases can be performed in candidate's hospital or proctor's hospital, depending on the discussion between proctor and candidate.

Recommended 3-5 cases of actual surgery performed under supervision and assessment of AMRAS recognized proctor.

(Appendix 1: Candidate logbook)

Logbook of procedures to be maintained by candidate

(Appendix 2: Proctor report on candidate performance) and whether Pass/Remedial needed to complete step 3

Proctors report on candidate performance, written assessment – these to be submitted to AMRAS Ablation Committee Chairman/Vice Chairman for final approval.

Once approved by AMRAS Ablation Committee Chairman/Vice Chairman - candidate is awarded step 3 certificate

NOTE: Exemptions:**Exemption from Step 1:**

Candidates may apply to AMRAS Ablation Committee Chairman/Vice Chairman in writing to request for exemption from step 1 and AMRAS Ablation Committee Chairman/Vice Chairman will decide if candidate can be exempted based on prior qualifications/demonstrable track record, or if candidate has passed relevant basic tests or courses organised by equivalent society/bodies (e.g.: candidate already attended the Microwave Workshop prior to the commencement of ASC).

****Decision by AMRAS Ablation Committee Chairman/Vice Chairman is final.***

Exemption from Step 2:

Candidates are allowed to skip Step 2 and directly proceeding to Step 3 certification process provided candidate demonstrates confidence and ability to perform procedure as primary surgeon under supervision to proctor, and proctor supervises candidate as per step 3 protocol.

Exemption from achieving recommended 3-5 cases required for Step 3

If proctor deems candidate is ready / qualified to be passed for step 3 of certification despite not achieving recommended case numbers of 3-5, based on case-to-case basis, proctor to write in to AMRAS Ablation Committee Chairman/Vice Chairman and recommend as such and final decision will be made by AMRAS Ablation committee Chairman / Vice Chairman whether candidate is allowed to be passed for said step without adequate case numbers.

****Decision by AMRAS Ablation Committee Chairman/ Vice Chairman is final.***

For candidates who are not able to complete required case numbers for step 3 in presence of proctor in 1 setting:

Candidate to request to proctor for belows: (Subject to Proctor Approval)

Candidate records every unedited videos of surgery performed + logbook of procedures and submit to assigned proctor for evaluation (to reach recommended numbers of at least 3-5 cases or to satisfaction of assigned proctor).

Certificate of Completion of Training (CCT) in Microwave Ablation for Gynaecologist.

Is awarded to candidate who have completed step 1 – 3 with demonstration of confidence & competency in performing said procedure (AMRAS Ablation Committee Chairman/Vice Chairman will receive assigned proctor recommendations, vet candidate performance and award CCT to candidate)

*** Decision by AMRAS Ablation Committee Chairman/Vice Chairman is final.** Candidates who are deemed not successful in certification will need to re-sit all or part of Steps 1 -3 based on recommendation by Committee to be considered for CCT in another attempt.

Proctors in MWA programme:

Doctors who have satisfactorily completed ASC Step 1-3 MWA and obtained CCT MWA by AMRAS, after completion of 50 cases performed as primary surgeon will be eligible to be elected by AMRAS Ablation Committee Chairman/Vice Chairman to act as proctors.

Doctors who do not undergo the ASC training programme and certification but deemed qualified to be proctors based on track-record, demonstrable qualifications/experience may be considered by AMRAS Ablation Committee Chairman/Vice Chairman on case-to-case basis to be elected as proctor for procedure.

Appendix 1

Candidate Log Book

ASC Programme: MWA

Step 2 / Step 3

Date	Patient RN	Diagnosis	Procedure	Candidate status (O/A/P)	Remarks / Others

O - Observed

A - Assisted Proctor

P - Performed under supervision as primary surgeon

Proctor's Signature

Name:

Designation:

Date: / / (day/month/year)

Appendix 2:

Proctor Report on Candidate Performance (Confidential)

ASC Programme: MWA

Step 2 / 3

Candidate Name: _____

Candidate IC/RN: _____

ASSESSMENT OF KNOWLEDGE, ATTITUDES AND FULFILLMENT OF TASKS, ABILITY TO SAFELY PERFORM PROCEDURE AS SURGEON

SUPERVISOR ASSESSMENT	
	PASS (P) / REMEDIAL NEEDED (R)
Motivation, sense of duty, discipline, punctuality	
Technical skills	
Integrated Knowledge on Procedure	
Relationship with medical and other staffs	
Completed required case numbers	
Comprehensive Knowledge or demonstration of ability to manage difficult situations / Complications that may arise	
Ability to carry out procedure safely as primary surgeon	
Adequate record keeping/ consent taking	

Note: Candidate must Pass in all categories to pass the particular step of assessment

Other comments/ recommendation from proctor for remedial (if any) by candidate:

Proctor's Signature

Name:

Designation:

Date: / / (day/month/year)

APPLICATION FORM

AMRAS – SAYGE Certification (ASC)
Microwave Ablation (MWA) Programme

1. Applicant Details

Full Name	:	_____
NRIC/Passport No.	:	_____
AMRAS Member ID.	:	_____ (AMRAS-XX-XXXX)
Medical Registration No.	:	_____
Hospital / Institution	:	_____
Designation	:	_____
Email Address	:	_____
Mobile Number	:	_____
Mailing Address	:	_____

2. Application Type (Please tick the appropriate box)

Step 1: Microwave Ablation Workshop

- ☐ First-time Registration – RM 1000
- ☐ Resit (Repeat Candidate) – RM 500
- ☐ **Step 2:** Proctorship Observation/Assistance – RM 1000
- ☐ **Step 3:** Supervised Performance Assessment – RM 1000

3. Documents Checklist

- ☐ Curriculum Vitae (CV) (for Step 1 application)
- ☐ Proof of Payment (bank slip)
- ☐ Application Form
- ☐ Step 1 Certificate (for Step 2 application)
- ☐ Step 2 Certificate (for Step 3 application)
- ☐ Logbook (for Step 2)
- ☐ Logbook (for Step 3)
- ☐ Completed Proctor Report (if applicable)

4. Payment Information

Payment must be made to:

Account Name: AMRAS OF GYNAECOLOGISTS MALAYSIA
Bank: UOBM JALAN AMPANG
Bank Address: CITIBANK TOWER, 165, JALAN AMPANG, 50450,
KUALA LUMPUR
MYR Account No.: 560-300-576-8
USD Account No.: 560-900-381-3
Swift Code: UOVBMYKL

5. Declaration

I, the undersigned, hereby apply for participation in the ASC MWA Programme as specified above. I declare that the information provided is accurate and complete. I agree to comply with the requirements and terms set by AMRAS and understand that the decision of the AMRAS Ablation Committee Chairman/Vice Chairman is final.

Full Name: _____

NRIC/Passport No.: _____

Signature of Applicant: _____

Date: _____

Submit Completed Application To:

AMRAS Secretariat

Email: secretariat@amras.org.my
Phone: +6012 211 3342
Address: Level 2, Women's Clinic, 110, Jalan Professor Khoo Kay Kim,
Seksyen 19, 46300 Petaling Jaya, Selangor, Malaysia
Website: www.amras.org.my