



The Royal College of Pathologists
Pathology: the science behind the cure

International Overview

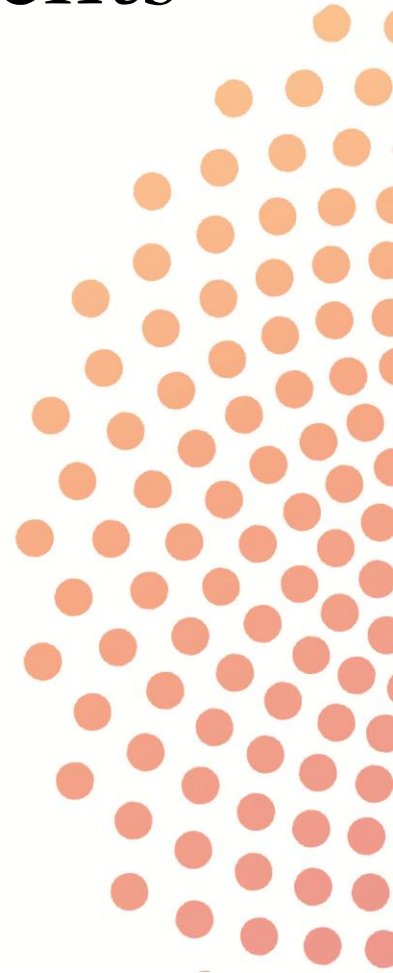
Breast cancer care: developments from Nigeria and Egypt

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College of Pathologists

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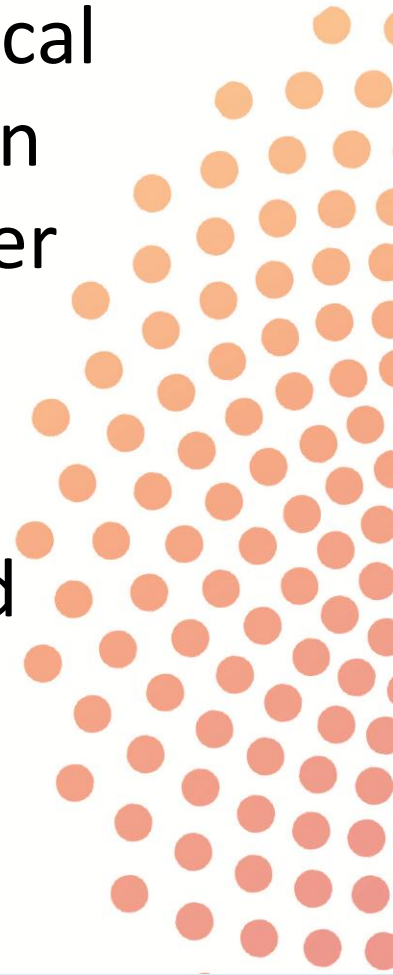


Background

- Work is ongoing to identify and address the educational needs for pathologists overseas.
 - There is little evidence of what gaps exist in pathology knowledge and practice particularly for African pathologists.
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- A decorative graphic on the right side of the slide consisting of a cluster of orange dots of varying sizes, arranged in a roughly circular pattern.

Audit 2014

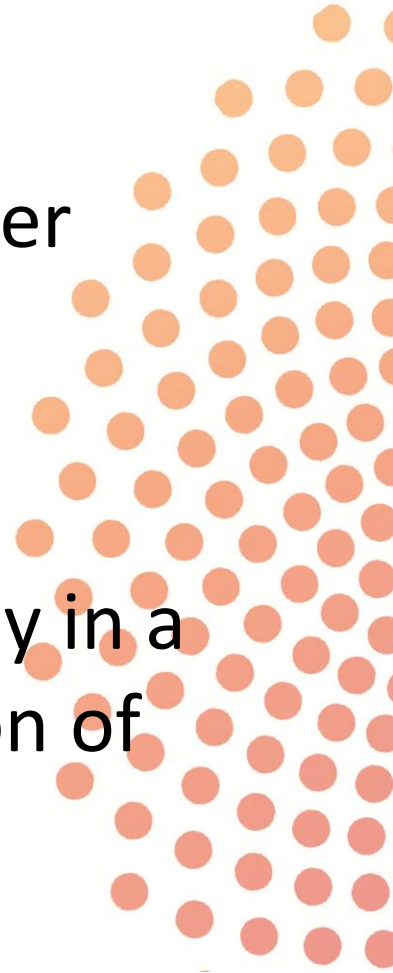
- To determine the compliance and concordance of breast cancer histological parameters reported at a large Nigerian laboratory compared with breast cancer dataset of RCPATH.
- 115 Nigerian breast tumours slides and reports reviewed



Tumour parameter	Stated (%)	Not stated (%)
Type	27.8	72.2
Size	100 (macroscopic only)	0
Grade	89.62	10.38
Lymphovascular invasion	2.6	97.4
Margins	50.4	49.6
Lymph node status	40	60
ER/PR/HER2	26	74

Main findings-Nigeria

- Lack of standard method for macroscopic cut up and sampling.
- Inadequate fixation of samples
- Essential parameters in the breast cancer reports are absent or incorrect
- Methods of grading are inconsistent
- Hormone receptor/HER2 are tested only in a minority of cases with no standardization of staining & interpretation



Action points

- To deliver education and training in macroscopic handling/cut up and microscopic reporting, encourage use of proformas
- Initiative to introduce and standardise testing for ER/HER2 testing of all breast cancer in African laboratories

Nigerian model

- Limited resources/no funding
- A **distant module** of teaching was proposed using a freely available internet application (Skype).

1. Teaching for Nigerian pathologists (distant)

- Educational goals agreed as per the need of the Nigerian pathologists.
- Focus on trainee pathologists as part of a comprehensive national in house teaching for senior trainees in Nigeria.

- Part of a two week residential postgraduate histopathology course.
- Breast and GI topics: delivered in 2 days
- Sixty African pathologists attended the teaching.
- No cost involved. Only required internet access at both ends.

Lectures

Breast topics:

- Macroscopic handling and specimen cut up
- Flat epithelial atypia (local screening cases)
- Inflammatory breast cancer: high incidence in Africa

Slide seminar

- Digital slides and case histories circulated prior to course, cost covered by UK tutors
- Slide seminar discussion
- Approach to diagnosis, including typing and grading
- All presentations made available to Nigerian pathologists following the course

- We utilised **video-conferencing** which allowed trainees to see their lecturer and vice versa.
- The new **data sharing** facility of the application allows simultaneous sharing of Power Point presentations, with annotation which facilitates interactive discussion
- **Excellent feedback.** Teaching model has been accepted for presentation at SABCS, Texas, US (December 2015)



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2.Training- Short attachments

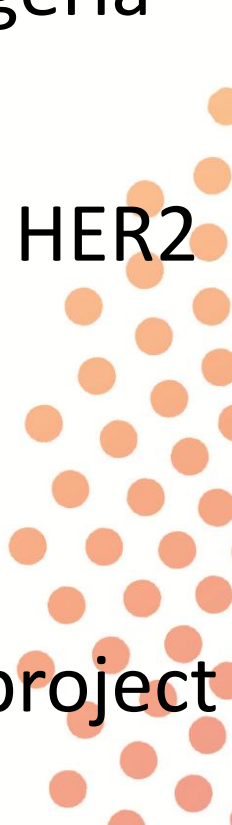
- **Observership** for Nigerian pathologists for 2 weeks at UK Pathology laboratory.
- Example: Dr Olubanji Oguntunde was sponsored by **BDIAP** to observe a UK laboratory practice.
- **Two weeks** at QEHB in June 2015: macro and micro reporting, attended MDTs, regional meetings.
- Introduced to other centres in his field of research interested
- Now awarded **UICC fellowship** for research degree.

3.ER/HER2 Immunohistochemical training (Ring Project)

Audit finding: Breast tumours are not routinely tested for hormone receptors and HER2 status.

Women with breast cancer in Nigeria are missing out on endocrine and Trastuzumab treatment as

OBJECTIVES

- To introduce standardised ER and HER2 testing for breast cancer tumours in Nigeria
 - To train participants on scoring of ER & HER2 IHC.
 - Participants are to **share skills and the knowledge** that they acquire from the project with colleagues at their centres.
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Participating Nigerian centres

1. Aminu Kano Teaching Hospital (AKTH), Kano
2. Ahmadu Bello University Teaching Hospital (ABUTH), Zaria
3. National Hospital, Abuja
4. University of Benin Teaching Hospital (UBTH), Benin
5. University of Ilorin Teaching Hospital (UIH), Ilorin
6. University of Nigeria Teaching Hospital (UNTH), Enugu
7. University College Hospital (UCH), Ibadan
8. Lagos University Teaching Hospital (LUTH).

+ UK facilitator: Queen Elizabeth Hospital Birmingham

Standardisation

- Two stages:
 - laboratory **staining: support from ROCHE**
 - microscopic **interpretation**
- Involve laboratory **scientists** and **pathologists**



Method

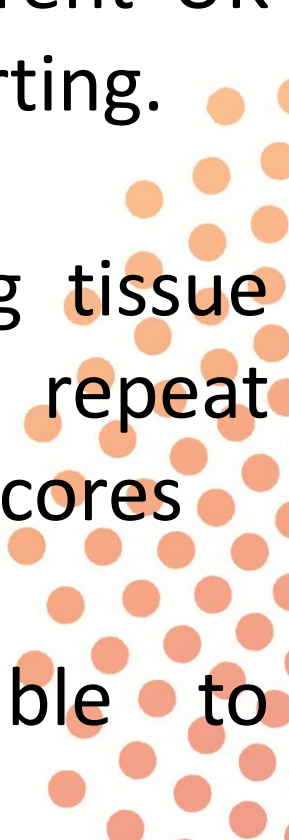
- Each participating centres provided 2 representative breast cancer blocks for testing.
- 16 tumours stained by H&E, ER, HER2 at a local Nigerian laboratory and also a UK lab.
- The UK stained slides scanned (virtual slides) and made available online.
- Ring project participants WhatsApp group: to maintain communication and updates

Immunohistochemical staining



**Financial
support locally
by Roche,
Nigeria**

- Distant teaching delivered in July 2015
- Update on current guidelines (UK and US) on ER, HER2 staining and reporting.
- Discussion of stained slides including tissue selection, artefacts, indication for repeat staining, assessment of controls, scoring.

- Participants reviewed and scored slides
 - Distant teaching from the UK on current UK and US guidelines of staining and reporting.
 - Discussion of stained slides including tissue selection, artefacts, indication for repeat staining, importance of controls, final scores
 - Digital slides and lectures available to participants after the meeting
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We had a really impactful meeting at the Ring project. **We trust the project would make a difference** and yield the seeds that you hope for.

Well done everyone for making **a dream a reality!**

We thank all the participants who took time out of their busy schedule for the purpose of improving their practice and **ensuring best practice for the good of their patients**

One of the best organised projects. I would like to appreciate the resource persons the organisers and teachers for **impacting positively on how we evaluate breast IHC.** Thank you Roche for the wonderful sponsorship

I did not know the meeting would be this well planned and organised benign the first of its kind. From the warm welcome/registration to the slide viewing/discussion, the feeding and accommodation all had a touch of perfection. The climax was Dr Shaaban's lecture. Kudos to LOC, Roche and everyone who made it happen.

Outcome

- Laboratory standardisation of staining is now undergoing in those centres.
- Two centres selected for central testing.
- Standardised reporting following the UK guidelines.
- Communication and technical support from the UK lab when required

4. Teaching in Egypt

Educational needs in Egypt: similar but with:

- Focus on the multidisciplinary approach.
- Focus on common diagnostic and management challenges: Breast and GI pathology to start with.
- Continuous professional development.
- **No financial support!**

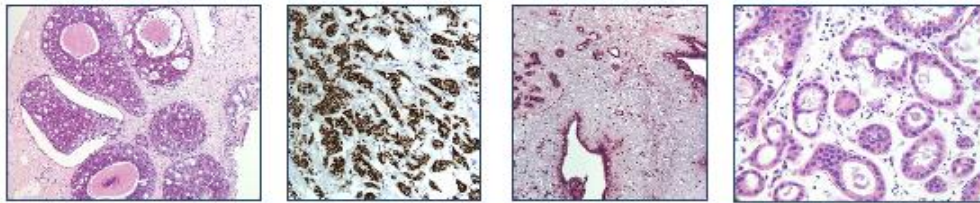
Egyptian Model

- Multidisciplinary **face to face** course supported by the RCPATH, at Mansoura, Egypt.
- Registration online at College website.
- Publicity and course flyer designed by College
- CPD accreditation, certificates
- Formal feedback collected by the College

- Venue provided free of charge by MOA team, at Mansoura University.
- Publicity within Egypt: Mansoura team.
- Course pack: included CD of presentations and scanned slides.

Breast & GIT Pathology Course:

Pathologist, Surgeon & Oncologist: Hand in Hand



30-31 July 2015

Mansoura University | Mansoura | Egypt

Improving the standards of pathology reporting and patient management remains a priority if we are to improve patient management. This course aims to:

- Provide an overview of the UK multidisciplinary approach to breast and gastro intestinal tumor (GIT) management.
- Highlight the role of the pathologist in the multidisciplinary team.
- Address diagnostic challenges faced by Egyptian pathologists in breast and gastro intestinal pathology.
- Use digital pathology to illustrate relevant examples of breast and bowel lesions.

Topics covered will include: recent advances in macroscopic handling of breast specimens; the role of neoadjuvant chemotherapy; upper GI and colorectal cancer – pathologic handling; paediatrics IBD and pathology interpretation.

Course lecturers

Dr Abeer Shaaban, Consultant Pathologist, The Royal College of Pathologists (UK)
Dr Olorunda Rotimi, Consultant Pathologist, The Royal College of Pathologists (UK)

Course organisers

Dr Ibrahim El Zayat, President, Mansoura Oncology Association, Egypt
Professor Khalid Zalata, Head of Pathology Department, Faculty of Medicine, Mansoura University, Egypt

To attend, register online: www.breastpathology.eventbrite.com | Course fee: EGP 100 (one day) / EGP 200 (two days)

CPD: 10 credits

Funding:
supported by
grant from the
Pathological
Society of Great
Britain and
Ireland.









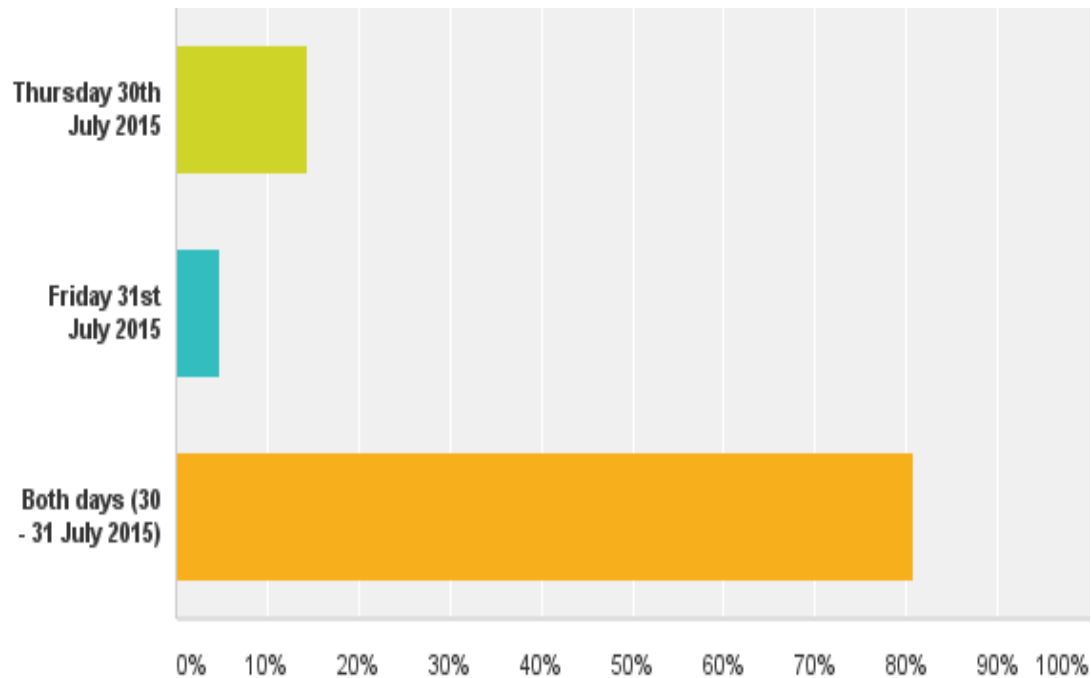
ONSOURA
The 12th MOA Workshop
جمعية الأورام النسورية
Nansoura Oncology Association
In Collaboration with The Royal College of Pathologists
Pathological Society Understanding Disease and
Pathology Department, Nansoura Faculty of Medicine.
Breast & GIT Pathology Course
Pathologist, Surgeon and Oncologist... Hand in Hand!
30-31 July 2015
Prof. Hassan El-Dars
Prof. Mohamed El-Dars
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- Despite late publicity: 198 delegates registered, course moved to bigger venue.
- Delegates came from all over Egypt with some from neighbouring Arab countries: Iraq, Jordan and one from UK.
- Format: lectures and digital slide seminar, one theme per day.
- Opportunities for discussion and networking.

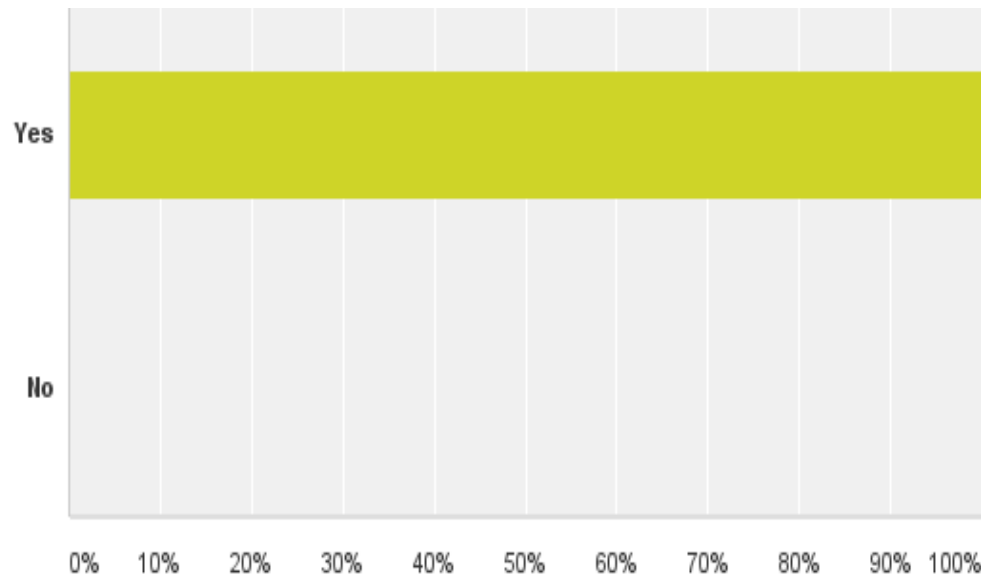
Q5: Which day(s) did you attend?

- Answered: 104 Skipped: 0



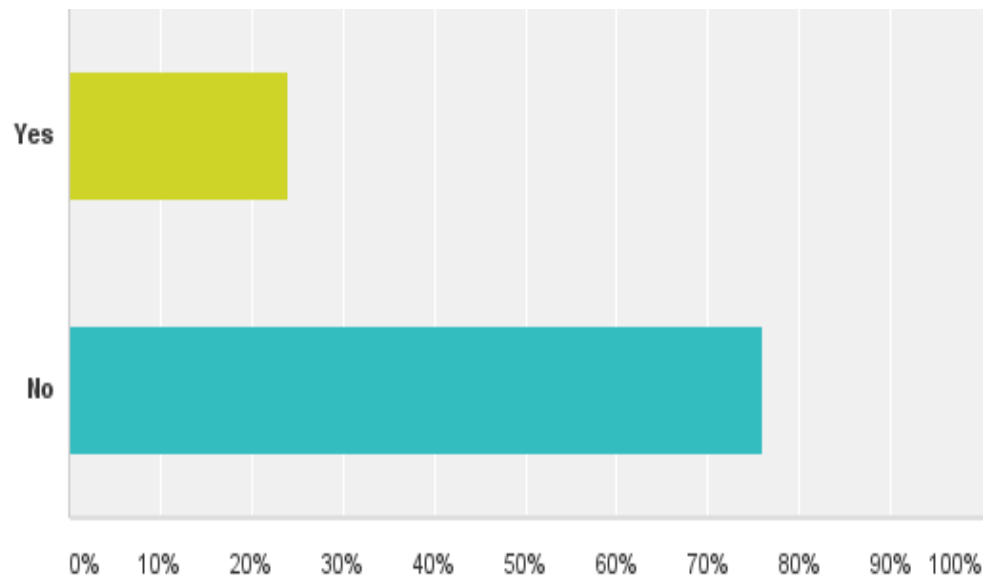
Q6: Will you require a certificate of attendance for this event?

- Answered: 104 Skipped: 0



Q7: Are you currently a member of a CPD/CME scheme?

- Answered: 104 Skipped: 0



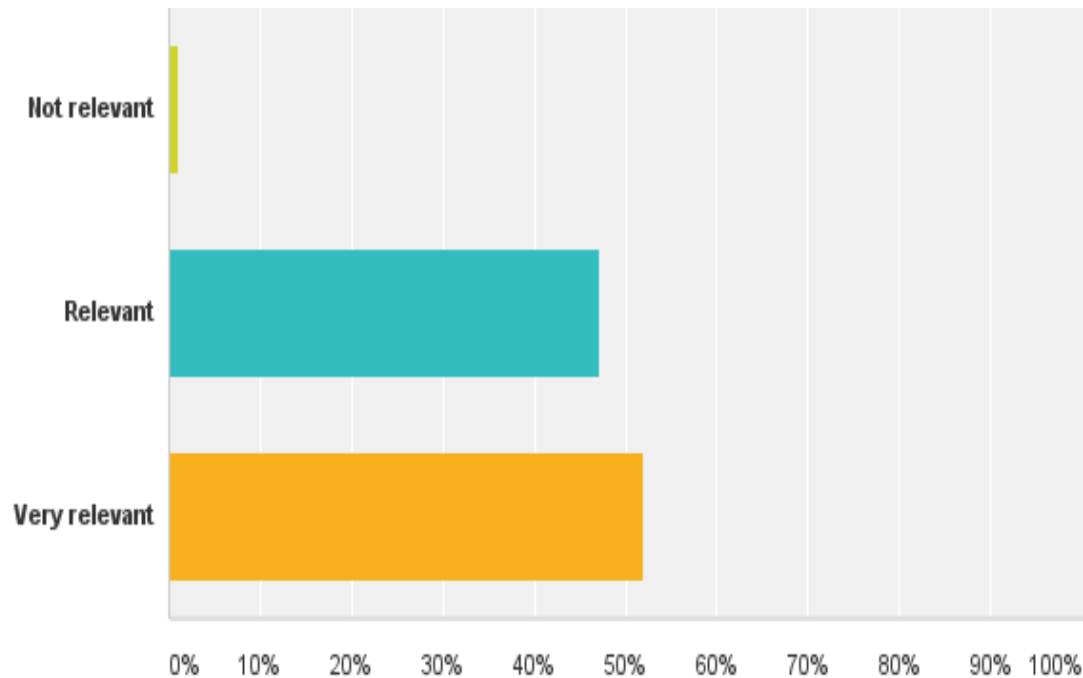
Q9: Please tell us in general how you would rate the following aspects of this course:

- Answered: 104 Skipped: 0

	Excellent	Very good	Good	OK	Poor	Total
Range of speakers	49.04% 51	39.42% 41	10.58% 11	0.96% 1	0.00% 0	104
Quality of speakers	56.73% 59	36.54% 38	5.77% 6	0.96% 1	0.00% 0	104
Range of topics	43.14% 44	44.12% 45	10.78% 11	1.96% 2	0.00% 0	102
Overall quality of the programme	30.77% 32	55.77% 58	11.54% 12	0.96% 1	0.96% 1	104
Conference venue and location	20.19% 21	47.12% 49	25.96% 27	5.77% 6	0.96% 1	104
Opportunities to network	22.12% 23	33.65% 35	25.00% 26	9.62% 10	9.62% 10	104
Delegate pack & resources	20.19% 21	43.27% 45	29.81% 31	6.73% 7	0.00% 0	104

Q10: How relevant were the course topics to you?

- Answered: 104 Skipped: 0



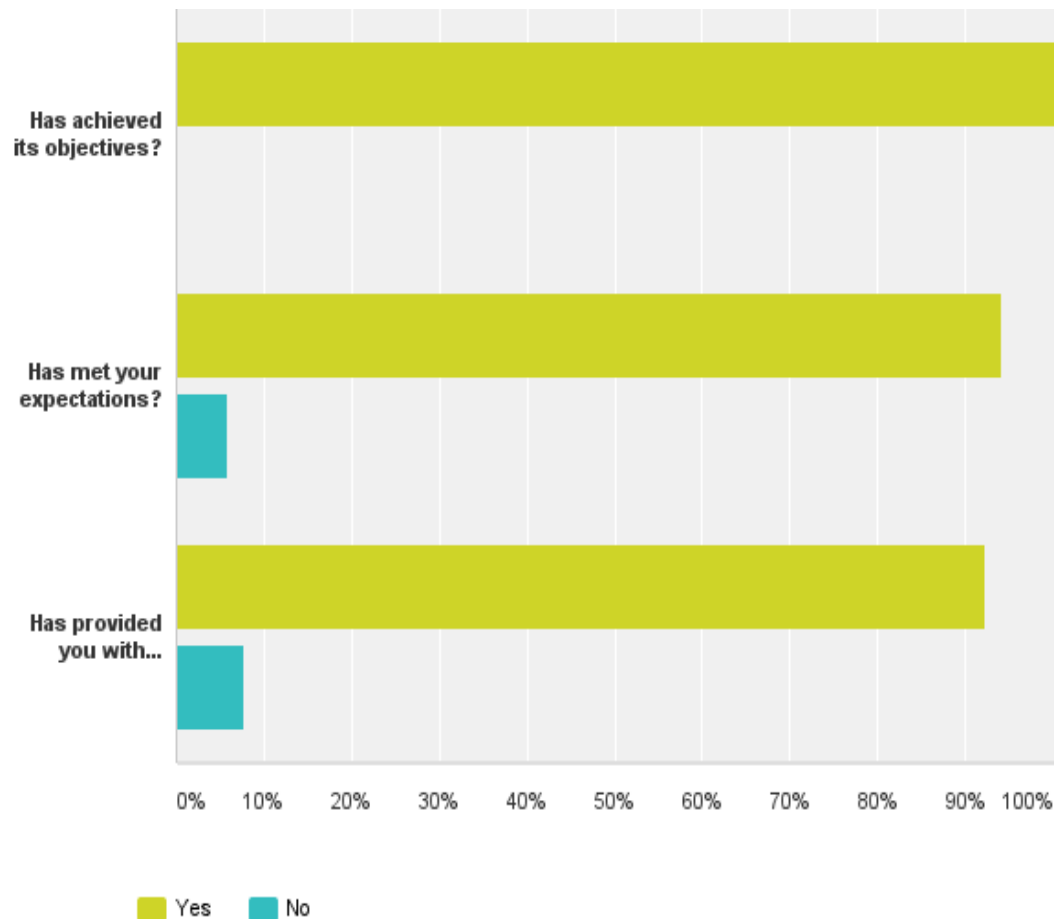
Q10: How relevant were the course topics to you?

- Answered: 104 Skipped: 0

Answer Choices	Responses
Not relevant	0.96% 1
Relevant	47.12% 49
Very relevant	51.92% 54
Total	104

Q11: Do you think the course:

- Answered: 104 Skipped: 0



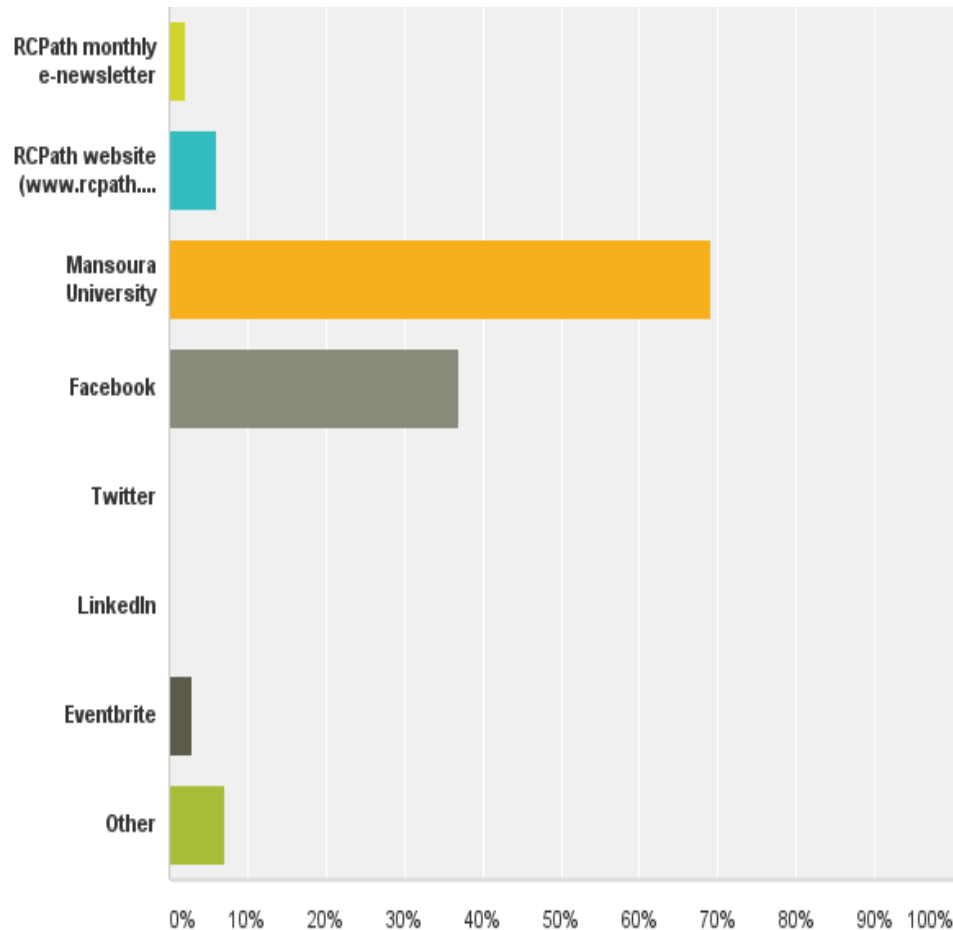
Q11: Do you think the course:

- Answered: 104 Skipped: 0

	Yes	No	Total
Has achieved its objectives?	100.00% 104	0.00% 0	104
Has met your expectations?	94.23% 98	5.77% 6	104
Has provided you with information that you did not have before?	92.31% 96	7.69% 8	104

Q12: How did you hear about this event?

- Answered: 100 Skipped: 4



Q12: How did you hear about this event?

- Answered: 100 Skipped: 4

Answer Choices	Responses	
RCPATH monthly e-newsletter	2.00%	2
RCPATH website (www.rcpath.org)	6.00%	6
Mansoura University	69.00%	69
Facebook	37.00%	37
Twitter	0.00%	0
LinkedIn	0.00%	0
Eventbrite	3.00%	3
Other	7.00%	7
Total Respondents: 100		

Individual responses

- Very thanks for this activity; I hope to be **regular** co-operation for other fields in oncology.
- Amazing day. Hope to repeat the event **yearly**.
- Kindly we need **more RCPATH courses** in Egypt.
- I would like to see **more of such events** held please to gain more information and experience, thank you.
- We will be thankful if you kindly support an annual event. One of the major requests from the attendants, that we present several case reports from all aspects (whether **clinical or pathological**) to get valuable knowledge.

Lessons learned

- There is a mass need for training and education in Africa.
- Collaborative work can identify training and education needs.
- Various models can be adopted to deliver teaching.
- Cancer training courses of multidisciplinary nature and update courses are needed



For the College

- Teachings and meetings raise profile of College internationally.
- Pathologists welcome College communication and input.
- Large database is now available to disseminate information, encourage pathologists to take FRCPath exam and interact with College.

Future

- Annual multidisciplinary updates/CPD meeting.
- Explore funding opportunities: Path Soc , BDIAP, local funding
- Maintain College communication with pathologists overseas: emails, social media....
- Use of free internet applications and greater use digital pathology in delivering training and education

- Use those meetings as major forum for encouraging research, standards and best practice.
- Use the models in other countries.

Acknowledgements

Funders

- Pathological Society of Great Britain and Ireland
- BDIAP
- ROCHE



International Committee RCPATH

- R Emodi
- G Hooley
- M Aldouri



Nigerian Pathologists

- A Daramola
- AAF Banjo
- F Abdulkareem
- O Rotimi (UK)

Mansoura Oncology Association

- I Elzayat
- K Zalata

