

出國報告（出國類別：其他（出席國際會議））

## HKIAP spring scientific meeting

服務機關：臺中榮民總醫院病理檢驗部

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## 摘要：

HKIAP have annual scientific meeting twice a year, spring and fall. These meetings are host in Prince of Wales Hospital, Hong Kong, and have most recent update in pathology field. This time, the main theme is about molecular pathology, and covers from basic molecular pathology, bone and soft tissue tumor diagnosis, liposarcoma, tumor microenvironment and immunotherapy, ewing and ewing-like sarcoma, polyps of gastrointestinal tract, the genetic and therapeutic implication, lung cancer, brain tumor and macrophages in tumor growth. All these topics are highly relevant to tumor diagnosis and tumor treatment. It' s a great opportunity to attend this meeting and have a update in terms of daily practice and basic knowledge.

關鍵字: molecular pathology

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## 一、目的

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## 二、過程

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## 三、心得

The molecular pathology is evolving very rapidly, and many tumors have their own molecular changes, which in terms have different prognostic impact and therapeutic choices. The new edition of WHO tumor classification also incorporated molecular change into tumor diagnosis. The same tumor morphology can have different molecular signature, thus different prognosis and treatment choices. The most rapidly evolving field in oncology including lung cancer, round cell sarcoma, brain tumor and hematologic malignancy. Most of these fields are covered in this meeting. The immunotherapy is emerging as a new and powerful treatment for cancer, and the drug choices are also increasing. Many factors can influence the treatment effect of immunotherapy, and the pathologists are in the front line to determine the eligibility of these patients in receiving proper therapy for their cancer. Keep updating these informations are pivotal for clinical practice and patient service. The polyps of the GI tract are not unusual and frequently encountered in day to day practice. Some polyps harbor pre-neoplastic change and carry high risk of progression into invasive cancer; some of them are hereditary and involves many family members. Knowing the specific histomorphology pattern and the clinical settings, can alert patient, and their family for proper care. The molecular pathology also provides good opportunity for research, since there are so many unknown and so little known in oncology field. The battle with cancer is just beginning, and we are all warriors in this battle.

#### 四、建議（包括改進作法）

In this meeting, the most impressive one is tumor microenvironment and macrophage in tumor growth. The immune system can protect us and help us fight with cancer, however, sometimes it protect cancer and hiding from normal immune response. The macrophages seem to play an important role in helping cancer cells evading from immune checkpoint, the mechanism is still unclear. I think more and more new findings will come out in the near future. The final thought is the progression of medicine is very quickly and more quickly than ever before. Keeps updating is a necessity in clinical service. I' m glad I' ve attended this meeting and bring these knowledge into my practice.