

口腔病理學實驗 **Written Pretest (12) – Suggested Answers**

1. What are the histological characteristics of **pleomorphic adenoma**? Is it a benign or a malignant tumor?

Ans.: It is usually a benign tumor with capsule. The tumors cells are arranged as islands, sheets, cords or ducts containing intercalated duct cells and myoepithelial cells which may be plasmacytoid or spindle-shaped. Other findings include myxomatous changes, hyalination, chondroid or osseous formation, squamous metaplasia or keratin pearl formation.

2. What is another name for **Warthin's tumor** and what are the histological characteristics of this tumor?

Ans.: Another name for **Warthin's tumor** is papillary cystadenoma lymphomatosum. It is well capsulated. It contains multiple cystic lumens with papillary projections. The epithelial lining is double layered with outer layer to be low cuboidal and inner layer high columnar and both containing abundant eosinophilic granular cytoplasm. The stroma contains lymphoid tissue with occasional germinal centers formation.

3. What are the histological characteristics of **oncocytoma**? Do you know the chief electronic microscopic finding for this tumor?

Ans.: It is well capsulated with dark stained and light stained oncocytes containing eosinophilic granular cytoplasm. The chief electronic microscopic finding for this tumor is mitochondria.

4. What are the histological characteristics of **mucoepidermoid carcinoma** and how to classify this tumor grading with respect to the histological characteristics?

Ans.: The infiltrated tumor islands contain chiefly mucous cells and epidermoid cells or occasionally with clear and intermediate cells. It divides into low, intermediate or high grade depends on the amount of mucous cell and epidermoid cells, cystic spaces, degree of cellular atypia. The higher the cystic space, mucous cells and lesser cellular atypia indicate a low grade malignancy.