

Neoplasms of the Appendix

Carcinoid Tumour

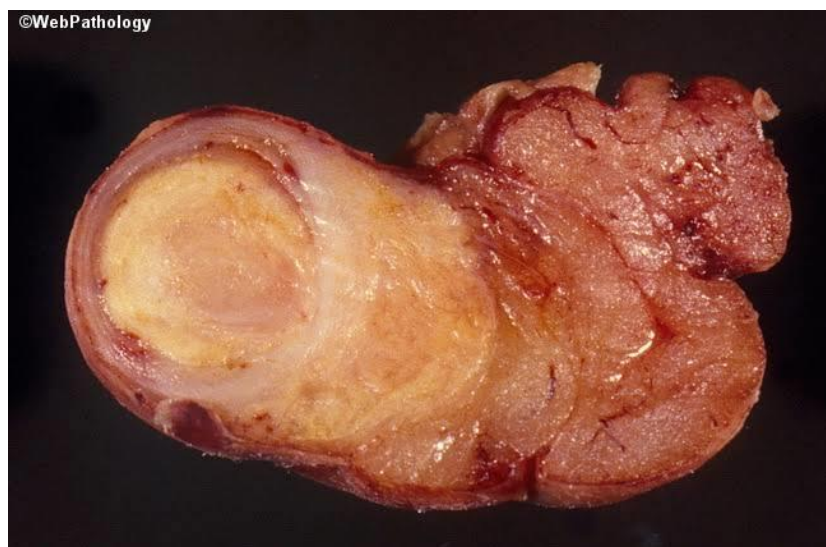
(Argentaffinoma)

* **Incidence :**

- ◆ It is the **commonest** tumour of the appendix .
- ◆ The appendix is the commonest site in the **gut** (65%) to be affected by carcinoid tumour .

* **Pathology :**

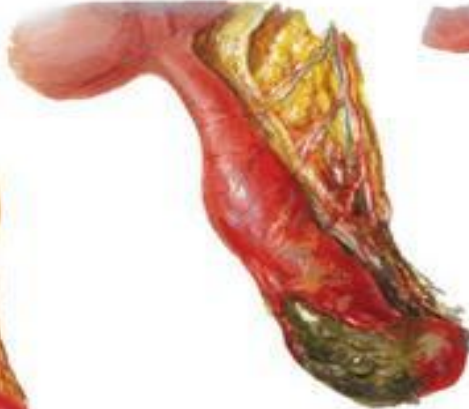
- ◆ The tumour arises from **Kulchisky cells** in the depth of the mucosal crypts .
- ◆ It appears a bright yellow mass (high lipid content) .
- ◆ **Usually benign** but may be malignant in 5% :
 - Tumours less than **1cm** are usually **benign** .
 - Tumours more than **2cm** are usually **malignant** and metastasize to the liver and produce the rare carcinoid syndrome because of their production of serotonin .



[Neoplasms of the Appendix]



Acute
appendicitis



Gangrenous
appendicitis



Fecal
concretions
in inflamed
appendix



Inflamed retrocecal
appendix with
adhesions



Appendiceal abscess



Mucocele of appendix



Carcinoid of appendix

* **Complications :**

1- Acute and chronic **appendicitis** .

2- **Spread** : direct , lymphatic and blood (mainly liver)

* **Clinical picture :**

1- Usually **symptomless** .

2- Sometimes **accidentally** pathologically discovered after appendicectomy.

3- **Carcinoid syndrome** is rare and is produced only by malignant carcinoid that metastasize to the liver . The syndrome includes flushing with attacks of cyanosis , diarrhea with borborygmi .

* **Investigations** : High urinary concentration of the serotonin metabolites .

* **Treatment :**

➤ Tumours less than 2 cm and confined to the appendix → appendicectomy is enough .

➤ Tumours more than 2 cm → right hemicolectomy .

Adenocarcinoma

- * **Incidence** : rare in the appendix .
- * **Pathology** : greyish irregular ill-defined hard mass .
- * **Complications** :Acute & chronic **appendicitis and Spread** (direct , lymphatic and blood) .
- * **Clinical picture** :
 - 1- May present as acute appendicitis .
 - 2- Its behaviour is similar to carcinoma of right colon .
- * **Investigations & treatment** : similar to cancer caecum .

