

grafted) in an organ of different epithelium. Further, it is always essential even in such epithelial organs as the liver, that cells of the primary growth be carried to the liver ere secondary deposits can occur. We have in this proof positive that whatever the nature of the proliferative stimulus it is residual in the cell. The cell contains the essential elements for growth within itself, provided it be suitably nourished. What the exact nature of this residual stimulus is we do not yet know, further, than that it confers upon the cell active growing and invasive powers.

I have run rather rapidly over these theories of origin, either one of which would furnish material for a paper. I may shortly sum up what we know on the origin of cancer by saying that owing to the action of some excitant, of which causes producing irritation and proliferative inflammation are important factors, we have set up a functionless cell proliferation of the epithelial cells, which once excited ceases not till there is nutritional failure.

A few words now on the classification and malignancy of Carcinomas might not be out of place. Pathologically we divide them according to the character of their constituent epithelial cells, into squamous celled, columnar celled and sphaeroidal celled Carcinomas. A better clinical classification would perhaps be to consider them as Carcinomas of the skin, of the mucous membranes and their glands, and of the glandular organs.

In the skin we necessarily have squamous celled Carcinoma in the form either of rodent ulcer or the much more common epithelioma.

In the mucous membranes the variety of cancer will depend upon the nature of the epithelium. Thus in mouth, throat and oesophagus we will have squamous celled Carcinoma or epithelioma; in stomach, intestines, gall ducts and within the os uteri, columnar celled cancer; while we will find sphaeroidal celled cancer either as schirrus or encéphaloid growing from the pyloric glands of stomach, Brunner's glands in the duodenum, or from mucous glands as in Antrum.

In glands other than simple tubular forms we will have sphaeroidal celled cancer as in breast, stomach, testes, ovary, kidney, etc.

I have not considered colloid cancer, as it is simply a degen-