cancer alongside other diseases which we are agreed to call constitutional, such as gout, syphilis, scrofula, and tuberculosis. Gout may make its appearance in the joints, skin, bronchial tubes, or lungs respectively of different members of the offspring pathology. It is but the reading of the same fact | fibroid tumours are as soft as possible, and yet they with altered terms in the case of cancer. We say do not propogate themselves in distant parts. For it is a constitutional tendency, and this opinion is this reason also, therefore, we must assume an esmuch strengthened in those cases where we know sential difference between cancer and other there is a cancerous inheritance. Thus, a cancer- growths. These circumstances impress us that we ous mother has a son; his lip is irritated by the must not depreciate the constitutional element in pipe, and the ulcer becomes cancerous. The pro- the production of cancer. Yet Sir James is anxduction of cancer by an injury is therefore a second jour not to depreciate the local element. Were reason for maintaining its constitutional nature. he compelled to give an opinion, he would say that The next circumstance which indicates strongly the of the two the constitutional element is the most constitutional element in the origin of cancer is its important. But it might be urged that cancer recurrence after complete removal. Mr. De Mor- would thus come to be considered a blood-disease. gan spoke of its "almost constant" recurrence; but Now, whether there is a morbid element in the Sir James Paget would say that the cases are not blood or not, Sir James would not say. Yet, as in more than 1 in 500 the constitutional predisposi- other constitutional diseases, we do well to hold tion may be exhausted, or other cause come into that cancer owes part to the condition of the blood play. We do not say a person is not scrofulous if If we name various tissues we have a difficulty in after amputation of a limb he has no fresh local imagining in which of them it can exist—as muscle, outbreak. After all, however, the question is the nerve, etc. Sir James cannot conceive the disease contrast of cancer in this respect with other tu-mours. Now, these do not reappear after opera- he thinks it safer to say in the all-pervading blood. tion in more than one in 500. The case is a very Analogy is in favour of this view. We have allstrong one; and we must remember that in our pervading blood-diseases which we know well, and statistics we include all the records of strange cases. It is to them that the likeness is found. Semile At the Pathological Society, for example, cases of diabetes is an example in point ; the production of simple tumours are brought forward more frequent- a carbuncle from this is singular,—it is the indicay when they happen to recur. Now, suppose one i tion of the diseased blood of diabetes. So in canwere to make a series of experiments, and perform | cer. The same applies in scurvy, and in what is visection-which such operations really are 500 called uræmia-all are blood-diseases. But it has times, he would be considered a bold man if he been said that if cancer is described as a bloodbought it necessary to repeat his experiments be- disease, there are certain conditions that cannot be ause the five hundredth case gave a different result (understood. These have been enumerated by Mr. from the others ; and that all the more if he per- | De Morgan. But his objections apply to all or formation of the others is a structure of the per- interval discourse that the poison brined a second series of the other kind. He any other blood disease. First, that the poison would not use the single exception to overthrow should exist in the blood, and yet no indication be

are not cancerous recur after removal. mours which Sir James has called "recurrent fibroid tumours" recur again and again, and cannot be extirpated but by the removal of the whole limb of a gouty subject, and so with the other diseases a tumour for the eighteenth time in seven or eight The effect of injuries on the produc- years from the thigh of a young woman. She died tion of cancer is in favour of its being included in of pyæmia; but had she lived the growth would the class of constitutional diseases. In a very probably have required removal again and again large number of cases cancer follows an injury, and until the limb was sacrificed. Now, there is no that so distinctly that the two occurrences cannot such case in the whole history of cancer. He had be disconnected. Now we know the limits of pos- removed another tumour for the seventh time ; and sible effect of an injury on a tissue as well as we a third and fourth time may frequently occur. But know anything in pathology-inflammation, indu- such is never seen in cancer; it would recur in ration, overgrowth, and so on, or, at most, the pro- distant organs. It is vain to attempt to explain duction of some tumour like the tissue injured. this difference of seat of recurrence by any facts of When there is a decided deviation from this recog-nized course, we say there is some constitutional It had been referred in this discussion to "mobility element at work. If a knee-joint suppurates instead of cells." Now, if there is one kind of cancer that of healing after a moderate injury, we say the propagates faster than another, it is osteoid cancer, patient is scrofulous. So in injuries to bones ; so and yet no variety is so hard. Scirrhus is as hard in gouty persons; and so in syphilitic subjects. as fibroma; yet there is no comparison of their This is as certain knowledge as any we possess in tendency to recur. On the other hand, recurrent the rule. But this is also true in regard to the observed previous to the local outbreak. But does manner of reproduction. Some tumours which not the same occur in gout? Who feels so well as