In the reports of M. Rayer, the condition of the heart is stated in 43 cases, and of these it was flaceid in 21, and 8 others displayed only some slight degree of enlargement with thickening or opacity of the pericardium or endocardium; so that the instances of decided disease amount to only 14, of which two displayed recent false membranes on the pericardium, and 12, more or less extensive hypertrophy, with or without thickening and opacity, or actual disease of the valves. Of my own cases, the state of the heart is expressly reported in 38. It was found healthy in 17, and in five other cases the only abnormal condition was slight m. crease of size, with or without thickening and opacity of the valvular folds of the endocardium; of the remaining 16 cases, in 2 there existed recent pericarditis; in 9 hypertrophy and dilatation of one or both of the ventricles, with, in some cases, thickening and opacity, but no incompetency in the valves; and in one of these cases the organ had also undergone the fatty degeneration : In four cases there existed aggravated valvular disease, and in 1 true aneurism of the septum ventriculorum. Thus, of the 102 cases of granular disease, in which the state of the heart was examined and recorded, that organ was decidedly diseased in only 33, or including the cases of recent pericarditis, in 37, or 364 per cent.

The condition of the liver is reported by Dr. Gregory in 29 cases, of which number it is stated to have been healthy in 12, and more or less extensively diseased in 17. Of the latter class, however, in several instances there seems to have been only trivial alterations of size or colour; and probably, in not more than 8 or 10 cases did there exist organic disease.

In 40 of M. Rayer's cases, the state of the liver is described. In 13 it was healthy; in 7 others it was only more or less engorged, giving rise to slight alterations of size or colour ; and in two cases the peritoneal surface was covered by recent lymph, though the texture of the organ was healthy. It thus appears, that not more than 18 cases presented important changes. In 7 of these, there existed marked increase of density in the organ, with or without alteration of size and colour ; in 3, there was great enlargement; in 3, cirrhosis; in 3, the organ was fatty; and in 1 it contained tubercle. In one case the nature of the disease is not stated.

In the cases taken from the Register of Dissections at the Edinburgh Infirmary, the condition of the liver is reported in 30. In 11 it is stated to have been found healthy; in 10 others the only alterations were dependent on the degree of engorgement from external causes, combined in 3 cases with thickening, opacity, or adhesions of the peritoneal coat; and in an 11th case, while the substance of the organs was healthy, the serous covering had been implicated in general peritonitis; so that the viscus was organically discased in only 8 cases, of which 5 were instances of adipose degeneration, with greater or less enlargement ; in 2 the organ contained tubercles, and in one there existed early cirrhosis.

The liver was, therefore, organically diseased in 36 of the 99 cases examined, or 1 in 36.3 per cent.

The lungs were examined and reported in 31 of 'Dr. Gregory's cases, of which 22 displayed different forms of disease, and 8 were decidedly, and one slightly, affected with tuberculous deposition. M. Raver found both lungs entirely licalthy in only 4 cases, out of the 45 which he has reported. In 8 others, however, the only change was more or less decided congestion, dependent on the mode of death or compression from pleuritic effusions, so that the cases of actual discuse amount to only 33, and of these the lungwere inflamed and hepatized in 7 cases; the mucous membrane of the bronchi was injected, and the tubes contained much secretion in 9; there existed extensive tuberculous disease in 12, and a lew recent tubercles in 5 others.

Lastly, of the 41 of my own cases in which the condition of the lungs is recorded, they were found entirely healthy in 2, and in 10 others presented only compression from pleuritic effusions, or slight degrees of congestion, ædema, or emphysema; and in one the tubes and cells contained blood, from the bursting of an an-curism. There remain, therefore, only 23 cases of decided discase; in 10 of which there existed pneumonic consolidation; in 9, injection of the mucous membrane of the bronchi, and much muco-purulent fluid in the tubes, with considerable congestion or ædema; and in 6, extensive, and in four others slighter, tuberculous disease.

presented different form of disease, or 71.8 per cent. and 36, or 30.7 per cent. more or less extensive tuberculous disease. It thus appears that

The brast	was examined in	102	cases, and found	per cent. diseased in \$7, or \$6.4
The liver	••	-99		36. or 26.6
The lungs	**	117		SJ, or 7.18
			I	Phthisical in 36, or 207

Or otherwise, that the diseases of the heart and liver were of equal frequency, and occurred in about one third of the cases : while the lungs were effected in different ways in two-thirds of the cases, and were tuberculous in nearly one-half of these, or inscarcely a less proportion than the whole of the several affections of the heart and liver. This very large proportion afforded by the tuberculous diseases of the lungs in so considerable a number of cases, can, I conceive, scarcely be regarded as accidental, and renders the conclusion almost necessary, that the causes predisposing to the renal and pulmonary affections are closely allied.

III. It might, indeed, be supposed, that the tuberculous deposition in the lungs is secondary to the renal disorder, being superinduced by the consequent depravation of the constitution, as we find to be frequently the case in chronic visceral diseases. There seems, however, every reason to believe, that tuberculous. affections of the lungs are very rarely secondary to the granular disorganization of the kidney. Dr. Christison states, that he has not met with a single instance in which this appeared to have happened; and M. Rayer, while he states that such cases occa. sionally occur, yet admits their extreme rarity. On referring to the notes of nine of my own observations, in which phthisical an, granular disease co existed, and in which the condition of the kidneys and lungs is fully described, I find that in one case the affection of the kidney was unequivocally primary and predominant ;-- the kidneys were externally of a pale yellow colour and irregular shape, and internally they presented an extensive small granular deposit in the cortical portion, and between the tubuli, entirely replacing the natural striated texture ; while the lungs only contained a small number of gray tubercules in the upper lobes. In a second instance, in which the patient was cut off by an attack of acute pericarditis, the kidneys were found in an advanced state of disease; their cortical portions being infiltrated with a whitish coloured deposit, interspersed with small vellowish tubercular bodies, while the disease of the lungs was in an early stage-those organs containing only a moderate deposit of yellow and gray tubercles, chiefly in the upper lobes,

In two other cases, the renal was more advanced than the pulmonary disease; but in these the visceral affections were ap. parently secondary :-- in one case, to caries of the tarsus, for which a partial amputation of the foot had been performed; and in the other, to a venereal taint in the constitution,-the osseous system being throughout extensively diseased.

In a fifth case, there existed advanced granular disorganization, the kidneys presenting a mottled surface, and, on section. being found to contain a copious granular deposit in the striated portion, while the lungs contained old and recent tuberculous dis. ease, in the form of cretaceous masses in the upper lobes and bronchial glands, mixed with yellow and gray tubercle in the crude state; so that the respective dates of the pulmonary and renal affections are doubtful.

In the remaining four cases, the pulmonary disease was evideutly primary. The disorganization was in all extensive, and the tubercle had softened, giving rise to caverns, in one or both lungs. And lastly, in four other cases, not previously refered to. there existed renat discuse in a recent stage, in conjunction with advanced tuberculous disease of the lungs.

It appears, therefore, that of thirteen cases out of fourteen-the whole of those in which more or less decided tuberculous disease of the lungs and granular disorganization of the kidneys co-existed -the priority of the affection was doubtful in one; in two, the disease of both viscera was secondary to other chronic affections; and in one, or perhaps two, the disease of the kidneys was the primary affection ; while in eight cases, the lungs were obviously diseased, primarily and predominantly.

That the lungs should, in the renal disease, be less frequently the sent of secondary tuberculous affections than in most other chronic diseases, may probably be ascribed to the frequency with which those labouring under the affection are cut off by the superven-Therefore, of 117 cases in which the lungs were examined, 81 tion of acute inflammatory action in the several viscera or scrous