

and strong muscular action ; the pauses are very long ; it is therefore more logical to admit collapse of the alveolar walls. In man with degenerate vagi the respiration is reduced to a minimum, apart from its disorder and arhythm, and these last characters much resemble the respiration of rabbits having the vagi cut.

Now it is very difficult to see how, with a mechanism so different that the exchange of gas may be exaggerated or diminished, pulmonary inflammatory processes may be developed similar in man to those in rabbits and dogs.

That the vagus influences the mechanism of respiration, the rhythm, the proportional duration of the inspiration and expiration, and the pause, cannot be doubted when we look at the tracings taken on both man and other animals ; but here we slide from the simple disturbance of the respiratory mechanism to an inflammatory process in the lung.

Nor does the pulmonary congestion, concomitant with the altered mechanism, fill up the great lacuna. If we should confine ourselves to the discussion of this disturbance only, we might find ourselves again facing the difficulties of the interpretation of the pulmonitis in the rabbits on which the canula was applied, with results contrary to the theory of Traube, and the pulmonitis in dogs which did not present laryngeal œsophageal paralysis.

Much value has been accorded to laryngeal paralysis, and we have observed it in rabbits and some paralytics ; but in dogs and some other paralytics we could not admit it. Yet the pulmonary processes in dogs with the vagi cut are similar, as well as in paralytics (? *paretics*) without distinction. In dogs the cutting of the vagi below the recurrent does not produce laryngeal paralysis, but it produces the special form of pulmonitis. We have observed many paralytics who did not present any disturbance of deglutition, nor any change in the timbre of the voice ; rather, indeed, were they often, up to a few days before death, loud scolders ; but the pulmonary lesions in these did not present the same characters as they did in others who had been mute in the last weeks of their existence, or had presented some slight