ıma, and he three the wished for result. when the of them careful observation may, perhaps, in future estab- drawn to them. ped, and lish in the male the same connection between! a. Temrved. not diffisymptoms he lack of with the : is pathoid in any se. Base it is ob hydropic pathological conditions. us inflam ige in the gitis have ever, other remained. om Base ; improvehave been cases there were fibrous nodules and deposits of quent dilatation of the orbital bloodvessels. es. accord-! vitam is however. he patient I in, when he return, ible symp vorable in so is not of the cornea etc., had taken place. In a may have case I once had occasion to examine, I found cendisease attral choroido-retinitis in one eye. Von Recklingg to recent hausen found in one case the tissue of the external a male, i.c ocular muscles undergoing fatty degeneration. In all other cases, also in mine, this condition did not exist. The fatty tissue of the orbit is in most now very of the cases hypertrophic to a varying degree. by some These pathological conditions, of course would great loss s to be be never explain the clinical symptoms. The pathologists therefore looked for some other changes in is depenapparatus the body, and lately great attention has been paid in. For to the anatomical condition of the nerves in this

disease, especially the cervical portion of the sym-

lowest cervical ganglion enlarged, reddish and hy-

Trousseau and Peter, found the

Its nervous elements were reduced in

ase of the

is that of

Basedon's

atient had

a 1109F, is

pathetic nerves.

order to force her to sexual intercourse, without sue were greatly increased, and the latter very fi-When Forster saw the brous. These and similar changes in the sympanatient, Basedow's disease was well developed, and thetic nerve have been found nearly in every case, both epididymes were swollen and painful. More since the attention of the pathologist was first

What, now, is the real nature of Basedow's troubles in the sexual sphere and Basedow's disease? Certain it is, that the three chief sympdisease, as is acknowledged by all the authors on this toms, i.e., palpitation of the heart with hypertrophy subject, to exist in women. It is not impossible and enlargement of the carotid arteries and jugular also, that perhaps, hereditary influence may come veins, struma and exophthalmus with the loss of into play in the development of this disease. At co ordination in the movements of the eyeball and least, there is one instance on record, in which lid must spring from some common cause. The symtwo sisters suffered from it. The post-mortems pathetic nerve seems therefore to be the centre of on individuals, who had during life been subject to the disease. A number of hypothesis were brought Basedow's disease, have revealed the following forward to explain the nature of the disease. I In some cases the heart mention here only one, which is the most plausible was perfectly normal, in most of the cases also free and at the same time based upon the few facts from any valvular deformity. In the large majority, the pathologists have found in examining such however, the heart was found to be hypertrophic, cases. Paralysis of the cervical part of the sympaespecially the left ventricle. Its muscular tissue thetic, due to the pathological changes found in its showed sometimes fatty and sometimes amyloid course, would explain very well the dilatation of degeneration. The struma was mostly found to the carotid arteries and jugular veins, the vascular be caused by simple hypertrophy of the glandular struma and the exophthalmus, if we assume that the tissue or by colloid metamorphosis. In some latter is due to relaxation of the walls and consechalk present in the tumor. In other cases the the experiments of Claude Bernard, however, it has tissue of the thyroid gland was found perfectly un-been proven that cutting the cervical part of the altered, and the struma could only be explained by sympathetic nerve produces dilatation of the pupils, an over-filling of the blood-vessels during life. This contraction of the orbicularis palpebrarum muscle latter condition applies especially to cases where and, instead of exophthalmus as in this disease, rethe struma was intermittent. The eyeballs were as traction of the eye-balls. To explain the sympa rule found normal, at least where no ulcerations toms in Basedow's disease, i.e., normal pupil and protrusion of the eye-balls, we would therefore expect rather an irritation of the sympathetic nerve. The difficulty is overcome by another experiment of the same author, by which he has proven that after cutting the so-called oculo-pupillary nervefibres and irritating the peripheral end, widening of the palpebral fissure, protrusion of the eye-balls and contraction of the pupils will ensue. These ocule-pupillary nerve-tores form a part of the cervical portion of the sympathetic, and originate from the anterior root of the second dorsal nerve. We come thus to the hypothesis that the main portion of the cervical part of the sympathetic nerve is paralyzed in Basedow's disease, while a smaller part of it, viz., the oculo-pupillary fibres are in a state of irritation. The palpitation of the heart may, of course, be caused either by a diminished size and number, whilst the fat and connective tis- action of the tenth nerve (vagus) or an increase of