

Of 37 cases in a more advanced stage 27 recovered, 7 were greatly improved, 3 improved, and none grew worse, gaining on an average nearly 13 pounds each.

Twenty-one cases in a seriously advanced stage were also treated, of which 3 recovered, 9 were greatly improved, 7 were improved, only 2 grew worse or died, there being an average gain in weight of 10½ pounds each.

The remedy was also given for trial to Dr. Denison of Denver, Dr. Taylor of St. Paul and Dr. Williams of Asheville, all of which obtained good results. Dr. Williams supplying the date of 12 cases treated by him with von Ruck's extract, shows 7 early stage cases, all of which recovered; of 3 cases in the second stage, 1 recovered, and 2 were greatly improved, and of 2 far advanced cases, 1 recovered and 1 grew worse.

Comparing his previous results with those obtained with the watery extract in von Ruck's institution he shows the results as follows:

Cases.	Recovered.		Improved.	
	%		%	
Treated without Specific Remedies .....	12.1	816	31.0	
Treated with Koch's original Tuberculin .....	35.5	379	37.5	
Treated with Antiphthisin and Tuberculin .....	32.5	182	40.8	
Treated with Tuberculinum Purificatum (von Ruck) .....	43.4	166	39.2	
Treated with Watery Extract of Tubercle Bacilli (von Ruck) .....	64.1	78	33.3	

Among other matters of interest, the report also contains mention of Dr. von Ruck's efforts to produce a serum, as suggested by Professor Koch, in his paper by using Tuberculin R. and his Watery Extract for immunization. Dr. von Ruck used goats for this

purpose and injected them in increasing doses reaching 70 c. c per single dose in the course of six months.

Serum taken from these animals failed to protect or cure guinea pigs, and finding his results entirely at variance with the claims of Dr. Fisch, he purchased serum from Dr. Fisch's laboratory and treated a number of guinea pigs, all with negative results.

These experiments are given in detail and it does not appear that the degree of tuberculosis or its course was in any way modified by the injection of this serum; the control animals showing no greater progress in the disease than did those which were treated.

Full directions are given for the use of the Watery Extract, the beginning dose being 1-1000 of a milligram, and this is gradually increased to 5 milligrams. There are three solutions, No. 1 containing 1-100 of one per cent. No. 2 1-10 of one per cent. and No. 100 containing 1 per cent. of the anhydrous extracts.

### A CASE OF NEUROTIC VOMITING OF TEN YEARS' DURATION

By H. L. Spense, M.D.

Neurologist to the Cleveland City Hospital; Chief of Clinic for Diseases of the Nervous System, Lakeside Hospital; Consultant Neurologist, Vega Ave. Hospital.

Though neurotic vomiting is not an uncommon phenomenon, the following case presents sufficiently remarkably features to merit publication. The history of the patient is as follows:

Miss C., aged 38, had an attack of malaria fever ten years ago during which she was for two months confined to bed. During convalescence she was taken with severe frontal headache followed by loss of appetite and vomiting. This rapidly increased in frequency and severity till, within a few weeks, she went to bed and remained there for a year. During this time, though the appetite improved considerably, vomiting persisted without a day's intermission. It usually occurred shortly after eating, and was rarely accompanied by nausea. There was at first considerable gastric pain and tenderness together with flatulence. From