

which irritate the vesical neck and produce symptoms which simulate cystitis, but they should be treated quite differently to true cystitis. These two diseases, the mild *coli* nephritis and mild tuberculous nephritis, affect the kidney differently.

"The *coli* have a sharp onset and a rapid initial progress; the tubercle bacillus is usually insidious, mild and quiet in its progress.

"The vesical frequency due to *coli* has a rapid onset and a rapid abatement; it is marked by recrudescences lasting days. The vesical frequency of tubercle is uniformly *progressive*, extending over years; its recrudescence may be marked by months of comparative health.

"In both diseases vesical irrigation is best avoided, and in both diseases vaccines are to be used at once—as soon as the disease shows itself. In neither should vaccines be expected or promised to cure."

3.—URETERITIS DUE TO UTERINE "SAG."

"The third form of trouble which simulates cystitis, and to which I wish to draw your attention, originates in the left ureter.

"It is merely a localised inflammation of a small tract of the ureter at or about the point where that channel passes under the broad ligament. Now, this localised inflammation of the ureter is the cause of severe bladder distress and pain and functional disturbance of the left kidney. It is apparently provoked by the uterus dropping down (prolapse) and dragging with it the left ureter, causing what I conceive to be a bend or kink in its channel. The irritation of the mucous membrane of this traumatised area induces nerve excitations both startling and widespread; they seem to be increased by uric acid, or oxaluric tides in the urine.

"Now, it is a fact which has long since been accepted that a stone lodged in the ureter just near the bladder evokes all the symptoms of stone in the bladder, in addition to those symptoms which arise in the kidney from ureteric obstruction. There is the same frequency of micturition, the same tenesmus, the same meatal pain in juxta-vesical ureteric stone as in vesical stone.

"Similarly, tuberculous ureteritis of the juxta-vesical part of the ureter evokes the symptoms of vesical stone. It is conceivable therefore that simple ureteritis of the juxta-vesical ureter disturbs normal functions of the bladder just as cystitis would; but in addition, if the source of irritation be prolonged the ureter thickens, the kidney suffers from back-pressure, and pain in that organ necessarily ensues."

Subconsciousness.

Dr. T. B. Hyslop, Resident Physician at the Royal Bethlem Hospital, gave a brilliant and most interesting lecture on Subconsciousness before the Child Study Society, at 90, Buckingham Palace Road, S.W., on Thursday in last week. The lecture was illustrated by lantern slides of the brain in various stages of development, the brain of a congenital idiot, sections showing the different areas, sections of the spinal canal, and so forth.

The lecturer explained that, owing to the cerebro-spinal fluid, which plays so important a part in the cerebro-spinal system, the brain really rests upon a kind of water cushion. It will be a surprise to most people that nine-tenths of the brain, probably more, consist of water.

The impression left upon one's mind by the lecture was that the brain—like Central Africa thirty years ago—contains many unexplored regions and that although the functions of certain areas are well known and defined, there are others as yet quite undeveloped, and it is quite likely that, while we are losing some of our senses, others which we do not at present possess may be developed in years to come.

He gave an interesting example of the arousing of subconsciousness in a colleague, whom he wished to wake to consult about a case. He found him asleep, with one toe exposed. As tickling this produced no impression, he applied frozen liquid air. The vocabulary which poured forth was astounding. He was sure his colleague had no idea he possessed it, but it was stored away somewhere in his subconscious mind. The people most likely to use strong language when their subconsciousness was aroused were not those who used it in the ordinary way. Ladies who had accidentally heard it, and on whom it had made an impression as something which it would be terrible for their husbands or brothers to use, might become eloquent. The worst language he had ever heard came from the lips of a nun.

The hearing of voices was the result of a disturbance of a section of the brain. A man who was crossing Westminster Bridge heard a voice saying to him, "Jump over the bridge, you silly fool," and he promptly jumped. When he was in the river he heard another voice, which said, "Swim to the shore, you silly fool." So he swam, and was brought to Bethlem.

Dr. Hyslop also said that in certain conditions of the mind sleepers awoke in a state of great terror, and attacked the nearest person. Murders were committed by persons in this condition.

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