

shirt and bed wet. Pulse, 78; temperature, 98.5°. Itching but very little. I removed the Spencer-Wells tube, and inserted a long rubber tube of about the same calibre, and long enough for its distal end to go into a round-shouldered eight-ounce bottle, the neck of which I tied to a bandage round his waist. In a few days I got this to work satisfactorily, so that all the bile was caught, and he was kept dry, and from March 11th the quantity secreted every twenty-four hours was measured. On that day it was one quart.

March 12. Pulse, 80; temperature, 98°; bile, 35 ozs.; specific gravity, 1011. Digestion gave considerable trouble, as before. Liquid nourishment continued, as no bile entered the bowel. Occasionally, he would have appetite for solid food, but felt distressed after eating it.

March 20. Pulse, 68; temperature, 97°; bile, 41 ozs. Yesterday ate freely of potatoes and fish, after which he did not feel so well; distressed with sour stomach. Gave hydrarg. subchlor., grs. v.; sodæ bicarb., grs. xx.; pulv. rhei., grs. x.

March 21. Bile deeper colored, but less in amount, being 29 ozs. Vomited; thinks the powders did it, but felt better as it worked off.

March 23. Looks, cats, and feels well. I tried again to pass a Sayre's flexible probe. It went two and a half inches along the gall bladder, then turned downwards and inwards three and a half inches more. I also attempted to force water into the duct until it gave pain in the liver, but none appeared to enter the bowel. The stools, when he did not take iron, were clay colored, without a trace of bile. The urine lost its deep yellow color, but still occasionally gave bile reaction.

Skin became normal in color. Itching ceased. I watched carefully the effects of drugs given, though I did not give any for experiment. I found calomel useful in removing undigested material from the bowels, but the quantity of bile passed in twenty-four hours rather diminished than increased by it. In fact, it was about the only drug that did appear to diminish the quantity of bile, while the urine became clearer. I did not use it often, for fear of salivating him, though it gave no signs of doing so. He suffered much from fermentative indigestion, owing to our not having the antiseptic action of the bile in the bowels. I tried sodium salicylate for this purpose, and soon found the amount of bile greatly increased; so I discontinued it, and used bismuth salicylate instead.

April 25. Pulse, 85; bile, 20 ozs.; urine, 40 ozs.; specific gravity, 1020. Gave sodium salicylate, grs. x., every two hours.

April 27. Pulse, 80; bile, 35½ ozs.; urine, 22 ozs.; specific gravity, 1020.

One fact appeared too often to be a mere coincidence: as bile increased, urine diminished, and the contrary. The patient always felt best when the quantity of bile was least.