

Lastly, among the complications of scarlet fever may be mentioned the occurrence of this disease in combination with other of the exanthemata, as measles, typhoid fever, chicken pox and even small pox. Here the grouping of characteristic symptoms of both diseases and the modified conditions of skin make the diagnosis in many cases extremely difficult and it is only on careful study and close clinical watching that the condition of affairs is realized.

TREATMENT OF COMPLICATIONS.

If *fever* be above 102 ° F. and the pulse strong and full and patient healthy, then the coal tar products may be employed, always however in combination with some cardiac stimulant, as caffeine or strychnine. These coal tar products are well known heart depressants and are always more or less dangerous. After the onset of the disease, when the toxins are liable to affect the heart and specially if the heart be weak, then they are to be avoided.

A much safer and more effectual method of lowering the temperature in private practice is by means of the sponge bath, using tepid water and alcohol, sponging one part at a time, rubbing well and covering with flannel, thus encouraging active, cutaneous circulation and loss of heat by both conduction and radiation.

In *throat* complication antiseptic applications should be used from the onset of the disease even in the very mild forms. Sprays, swabs, gargles, washes all have their advantages and disadvantages, though probably in children the best results follow the use of the spray and in adults that of the swab when lightly and thoroughly applied. Many substances are recommended in the angina of scarlet fever; among the most efficient are peroxide of hydrogen, pot. chlor., pot. permang., boracic acid and any alkaline anti-septic preparation.

If the throat be very irritable the previous application of a 2-4 per cent. solution of cocaine will relieve the distress to the advantage of both physician and patient.

If the diphtheria bacillus be found then anti-toxin is indicated as well as the local and constitutional remedies usually employed.

If streptococcus infection, then the anti-streptococcus serum