

AN  
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ON

*The Diagnosis of Typhs*

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BY

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To

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This Dissertation

Is dedicated as a tribute of respect  
for his high professional attainments,  
and as a mark of gratitude, for  
his valuable instructions

By The  
Author.

# The Diagnosis of Fevers

The diagnosis of diseases is unquestionably the most important office of the physician and the first duty he has to perform on visiting the sick. The term is generally applied in two senses, First, that of determining the nature of the disease by the symptoms; secondly, that of distinguishing one disease from another by comparing the symptoms.

Notwithstanding science has thrown much light upon this subject, I have learned from a limited experience that the young physician often finds the path dark and difficult; yet it is his beacon light; without it his progress will be uncertain both in treating disease and securing a name among the people as a scientific physician. Were it not for the latter proposition he might often satisfy himself with some hope of success to treat symptoms without a special regard to the

name of the disease. But after an examination of the patient, this question immediately comes up, with great solicitude on the part of the patient and friends; and if he is unable to give a satisfactory reply he may be censured. But, by an artful evasion of this question, at the first visit, he may avoid future difficulties, for the disease may turn out to be different from what his first diagnosis revealed, and then he might be induced to avail himself of that popular error, with "the vulgar many" and say the disease had "run into another disease". Best to adopt the wite old maxim, "Know ye are right, then go ahead".

The sources of diagnosis are too numerous to give a special notice of each, such as morbid alterations of the various functions, — of the pulse — tongue — attitude,

Facial expression—seat and Character  
of pain, which constitute our most im-  
portant means of diagnosis, together with  
the habits, constitution—hereditary pre-  
disposition—particular locality and cli-  
mate. For as we are taught, and I think  
correctly, that man is very apt to take on  
a certain diathesis which is either, inher-  
ited from parentage or country, then hab-  
its of life, particular seasons etc, etc, cause  
the developments of this diathesis.

This subject, affording such an exten-  
sive field, I have chosen merely to apply  
it in this dissertation to "our fevers" which  
constitute the most important class of  
disease, that our physicians are called  
to treat, viz.—Idiopathic Malarial, Emp-  
tivo and Phlogistic Fevers. Some of the  
varieties of each having come under <sup>I have</sup> my observation.

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formed a limited acquaintance with them; but  
am free to confess not familiar enough with them  
to recognize them readily, when called to see  
them, but from some beautiful descriptions  
I have heard of them; together with my  
former limited acquaintance, I hope for the  
future to be better able to recognize them.

Typhoid fever claims the first attention,  
for this is a common fever in the locality  
where I have resided since my attention has  
been directed to the study of physic, not  
only there (Upper Georgia), but indeed in  
Middle Georgia, my former home.

It may be remarked as corroborating with  
the statements of writers and teachers, that we  
never had in either of these localities a case  
of Intermittent fever unless contracted else-  
-where and brought into our community,  
showing the fact that they are not common.

to the same localities. Though as already  
alluded, my attention was called to two  
cases of intermittent fever contracted abroad,  
the only cases I ever saw in our "hill Country"  
as it is generally termed; but the same  
cannot be said of Typhoid Fever, for it  
is often wandering amid our hills, without  
any traceable cause, for it seems to "have  
no respects for persons". often attacks persons  
of the most cleanly habits, and habitations,  
The disease is generally not very recognizable  
at the beginning, As described, the patient at  
first, makes very little complaint, says he  
feels weak, skin hot, which is generally per-  
sisting, he tells the physician, he thinks all  
that is necessary is to sweat him. I have seen  
cases that had been tried by all the sweating  
teas that could be thought of by <sup>the</sup> patient or  
friends and still the physician with first the

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patient complaining of a hot, dry skin.

'Not sick but not well' is a very significant term in this disease - very descriptive.

Pain in the head, though sometimes absent.

I noted a case recently, where the cerebro-spinal manifestations were all absent at the beginning and for a week after slight rigors, (which generally occur at the beginning)

There was no observable phenomenon differing from that of health except hot, dry skin, slight acceleration of the pulse,

little alteration in the tongue, and muscular inactivity, - delirium came on the second

week and continued for a week, but patient

recovered. Though we have no very diagnostic symptoms at the beginning, but where

the aforementioned symptoms exist, we may suspect some lurking danger. We have

been recently reminded of two diagnos-



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-tive symptoms, one of which I have noticed particularly. Viz. first, liquid, dirty-offensive stools, this I have seldom seen absent; second the "tongue becoming narrower, thicker and more pointed" Cough most always present and hence some mistake this diagnosis for typhoid pneumonia. The character of the expectoration, if any, together with the absence of other signs of typhoid pneumonia will enable me to distinguish this complication. Profuse is rather a characteristic in this disease; I saw a case where this sign together with Subcutaneous tenderness lead to the first permanent impression that the patient was attacked with typhoid fever, of course some other symptoms had existed but none very diagnostic, In this case there occurred, in a few days after I saw the patient several

Spasms, case terminated in death. I failed to state the Crisis in which I first saw the patient, there was copious hemorrhage from the bowels.

The rose-colored, eruptions and Suidamina which occur in this disease, are said to be valuable diagnostic Signs in this fever, notwithstanding they make their appearance at such a late period that we may have formed an opinion as to the kind of fever with which we have to deal; they will <sup>however</sup> confirm us in our diagnosis. The duration of the fever is another diagnostic, - particular where the case is called typhoid fever, and yields to treatment or gets well very soon, we know the case was not typhoid fever. I have seen practitioners take great advantage by pronouncing such fevers typhoid fever. I have been differently advised - been taught that this is a self-limited disease, and have so contended.

The next fever that claims our attention in this connection is that of malarial fever.

Here the locality will assist us in diagnosis, as a general rule. These are confined to malarial districts and dependant upon a specific poison - malaria - producing a variety of fevers, viz? Simple Intermittent, Inflammatory Intermittent, Malignant Intermittent, Simple Remittent and Inflammatory Remittent.

Simple Intermittent, is considered the true type of all malarial fevers, and the general diagnostic belonging to this class of fevers - that is, the paroxysms, are too well marked to require other symptoms to enable us to distinguish this form. We have distinct Successions of, Cold, hot, and sweating stages, occurring at intervals of twenty four - forty eight - and seventy <sup>two</sup> hours.

Inflammatory Intermittent - Sweating stage  
more imperfect - intervals not so well marked  
skin remains hot - pulse full. Quinine said  
to be a valuable diagnostic agent - confirms  
the diagnosis, should we be unable to deter-  
mine it, <sup>to be</sup> Simple Intermittent or Inflamm-  
-atory Intermittent. After giving it in  
proper doses and it fails as an antidote  
- indicates the existence of something besides  
malaria's poison. Then look out for inflam-  
-mation. Some organ will be apt to make com-  
-plaint. Of the liver - pain in the top of the  
shoulder - yellow hue of the skin. Stomach  
pain in the epigastrium, increased peristaltic move-  
-ments of the diaphragm, together with vom-  
-iting; - brain - great pain produced by  
succussion or lowering the head. But the  
spleen being more liable to become inflamed  
and less apt to make complaint - apt to be

the heat  
of inflammation - sometimes detectable by  
percussion and manipulation over the region  
of the Splen.

Malignant Intermitent, Difficult of diagnosis  
from the fact that no two cases resemble each  
other. - Coexistence of heat, and cold <sup>coldness</sup> nose -  
ears - fingers - little or no pulse, in fine, when  
we meet up with a case differing from any  
other disease - patient probably had other  
varieties of malarial fever, we may suspect  
danger of this fearful form, - very important  
that we be able to recognize it.

Simple Remittent - In this form the fever  
does not entirely go off - slight exacerba-  
-tions towards evening - patient may  
sweat at night - may be slight chill in the  
morning - Billious vomiting - yellow skin  
and eyes - epigastric uneasiness. Soon  
inflammation of some organ is set up.

and we have Inflammatory Remittent  
 characterized by continued fever. At this  
 stage often mistaken for typhoid fever  
 Having set out with the characteristics of  
 a malarial fever; dependent upon malarial  
 poison for its production - typhoid fever  
 being produced by a different poison,  
 will be sufficient evidence to form a  
 correct diagnosis in regard to these dis-  
 eases, in the absence of other signs.

Of the Eruptive fevers, we have only three  
 varieties that claim attention, viz: Small Pox.  
 Measles and Scarlatina.

In these fevers, we have the usual phenomena  
 in the initial fever belonging to fevers in  
 general, such as rigors - heat of skin - ac-  
 celeration of the pulse - pain in the head, back  
 and limbs; nothing particular to distinguish  
 them from other febrile affections.

The occurrence of the eruptions will reveal the character of the fever—to distinguish one variety from the other, period of incubation—duration of the fever and the character of the eruption, will constitute our chief means of diagnosis.

Small-Pox. has for its period of incubation usually twelve days, fever two days, Measles—incubative period two days—fever three days. Scarlatina seven days from the introduction of the poison to the efflorescent stage—including one day of active fever or twenty-four hours. Character of the eruption in each presents signs differing; notwithstanding they were in such harmonious association among the ancients, up to the time of the great Sydenham, who first successfully pointed out these differences.

The eruption is described in Small Pox to consist of minute red points which first make their appearance on the face - then the neck - Breast, etc. Next, these red points or pimples are converted into vesicles - elevated every where except the mentelle which is held mechanically down by a small ligamentous fibre - which is finally destroyed and then the vesicle rises up in the middle and becomes pointed. The vesicle contains a fluid or lymph which is clear, which becoming more opaque forms pus, this vesicle is then termed a pustule

Measles Here the eruption is more rapid may first be seen behind the ears - nape of the neck - fore-head, Breast - descending spots become confluent - skin presents very rough surface - rash assumes a brick dust color, - no two spots the same size.



In Scarlatina the rash is much order than in measles - minute red points forming patches more diffused than in measles - but not confluent; not attended with roughness and elevation of the skin - greater tumidity of the skin; Besides the eruption other signs may be added - there is greater fever in Scarlatina - there is sore throat in Scarlatina, whilst, there is cough in measles. Said to be greater tendency to delirium in Scarlatina. Cough is seldom absent in measles. These fevers also being contagious, and capable of propagating themselves, their prevalence in the country of the one or the other will assist us in distinguishing the variety.

The next fevers that call attention, and by no means of the least importance to a Southern Practitioner, are very properly termed phlogistic fevers, I shall only call attention to three of this class; viz. -

Bronchitis.—Pneumonia and Pleurisy.

These fevers are dependant upon the same cause for their production and have symptoms greatly resembling each other, hence there is more or less difficulty in their diagnosis. We are truly indebted to the celebrated Laennec for his great discovery which has thrown so much light upon the subject of diagnosis; the subject would have certainly remained in great obscurity, more particular in the fevers now to be considered, had it not have been for his discovery of Auscultation.

They are common to the fall, winter, and Spring months, Our country is subject to such vicissitudes, that few are free from the phlogistic diathesis, and according to my observation, these fevers are met up with oftener than any other class of fevers, hence their importance.

Bronchitis, usually commences as  
 common Catarrh - inflammation at-  
 tended, with increased discharge, of  
 the Schneiderian membrane lining the  
 nose and the Sinuses communicating  
 with it - Fever, hurried respiration,  
 irritation about the larynx and bronchia  
 Cough at first dry and harsh - soon a  
 glairy mucus expectorated, soon becoming  
 viscid, yellowish, sometimes striated  
 with blood. The mucous membrane of  
 the bronchial tubes being inflamed, sounds  
 are produced in respiration differing  
 from the healthy sounds; first the dry sounds  
 - the sonorous, which soon passes to the  
 the mucous, Sometimes the vesicular  
 murmur ceases, from the obstruction  
 of air into the air cells, at this stage  
 might be mistaken for pneumonia  
 efforts of coughing removing this ob-

- Struction the vesicular murmur soon returns. There is always clearness on percussion in this disease which is a good diagnostic sign.

**Pneumonia.** The rational signs will often distinguish this fever. Here the inflammation is in the substance of the lungs

First a sense of stricture and some oppression about the chest. Pain in some part of the chest - rather obtuse, some difficulty respiration. The expectoration is pathognomonic - first frothy - becoming very tenacious, assumes a rusty, brick-dust color

Physical signs more reliable, more particularly in the absence of the more marked rational signs. I have observed one or two cases in my limited experience where nearly all the prominent rational signs were absent, such as -

cough, expectoration etc. Here the physical signs are of great value. The crep-  
 -itant sound is considered pa-  
 -thognomonic, sound said to resem-  
 -ble the rubbing of a lock of coarse  
 hair between the finger and thumb  
 This crackling sound heard in the  
 lower portion lung - caused by the Sep-  
 -aration of the walls of the air-cells  
 partially agglutinated by the plastic  
 exudation, or successive bursting of  
 minute bubbles of the tenacious secre-  
 -tion which occurs in this disease, as  
 the air passes through the minute tubes  
 into the air-cells. At the stage of hep-  
 -tization comes on this crepitant sound  
 - ceases - no vesicular - murmur - dullness  
 on percussion - if the case runs on  
 the third stage - gray - hepatization -  
 - separation - characterized by plim

-juice expectoration - if favorable termination is to take place the vesicular murmur returns.

Pleurisy - In pleurisy we have inflammation of a serous membrane - therefore certain characteristics - besides fever the pain as in all serous membranes severe and lancinating - situated in this case in the side - aggravated by inspiration and coughing - cough harsh - Inflammation no sooner established, than we have exudation of plastic lymph and the surfaces become adherent or are separated by the effusion of serum. Characterized by the following signs First, the friction sound may be heard - produced by the rubbing together the dry inflamed surfaces of the pleura - if adhesion

takes place this sound ceases, or if there is an effusion of serum the sound also is then stopped, and this effusion may be detected, by percussion - if very excessive, the walls of the chest will be pressed out - Sometimes change in the position of the heart vesicular murmur weakened etc.