

AN  
INAUGURAL DISSERTATION

ON

*Proclamation.*

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BY

*John Henry Pickard,*  
OF  
*Rutherford County, Tennessee.*

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# Inflammation

The Term Inflammation  
is derived from the Latin word  
Inflammatio to inflame. Every  
part of the body is liable to  
its attacks, not only is the  
body liable to it, but it is the  
most common disease extant.  
it is common to both sexes, and  
at all ages, also it is common  
in all climates, it often occurs  
in youth, between the ages of one  
and fifteen, and I can venture  
to assert, that no one has attained  
the age of fifteen, who has not  
to a greater or less extent, been  
subject to some of its innumerable  
forms, and another fact im-  
portant to mention, is that

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it, delights most in the seasons  
of the year, embracing winter  
and spring, and like electricity  
supports with a more vigorous  
energy, the quality of its calling  
in moist, rather than in dry  
regions. It is useful for me to state,  
that both sex are the subjects of  
inflammation, but we should  
think, the female, its favorite victim,  
from several reasons, of which I will  
not mention, we also know that it  
acts with greater violence, and is more  
frequent in the young, than in  
those of a more advanced age.  
Inflammation is a subject which opens  
before us, a vast field for a beautiful  
speculation, and since we cannot  
by the present survey, embrace,

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all its entire extent, we  
hope we may be pardoned  
if we treat it a little at  
variance, with the style of  
those who have gone before  
us. One source of the vast  
interest which the subject  
excites in us, is its immediate  
association with the wonderful  
structure of the human body,  
and the vast influences and  
changes it effects in the  
animal economy, also its  
effects upon different organs  
and those effects varying from  
the slightest degree of intensity  
to the most intense morbid  
action. We shall next notice  
the local symptoms that

accompany inflammation. These are Heat, Pain, Redness, and swelling. These are the general signs of inflammation, and if they do not all exist in all cases, still the greater number do exist, and they are liable to vary according to the nature of the exciting cause, and the character of the part affected. Sometimes one, and sometimes another of these symptoms are absent, with the exception of one, which is Redness which (according to my opinion) is never absent in inflammation; it sometimes exists without any of the others being present, but on to the prominent signs. and the first, and only one of which we shall notice, is that of Redness.

The redness of an inflamed part presents various shades, from the slightest blush of red, to that of the deepest purple, though this depends upon the structure of the part affected, there being some tissues which contain a small quantity of blood, these I admit are never much discolored when affected with this disease, as for instance the Tendons and Cartilages, there are others which contain a considerable quantity and are therefore highly discolored as the mucous lining of the intestinal canal, fibrous membranes and membranes of others, though redness is indispensable to inflammation, yet all redness cannot be considered as such, for

This reason, Redness may be artificially instigated, by the application of various chemical or mechanic Stimuli, or momentary Redness blushing or momentary rosiness every part of the body being liable to this in health, it varies both in form color and extent yet, whatever form it may assume, whatever may be its extent, or duration, the immediate or approximate cause of it is an unnatural influx of blood in the capillaries, the red globules being admitted in greater number than when in the sound state, as we have suggested one symptom of inflammation which is redness, we will not mention

The other local symptoms,  
hoping that you may infer  
from what has been said on  
redness, that we understand the  
latter three, which is Heat, Pain  
and Swelling, therefore we  
will in a multiplicity of cases  
look to other sources, which  
are of as great interest to us, as  
the past signs of inflammation,  
then we will devote our attention  
to a variety of inflammations, which  
have symptoms peculiar to themselves  
I will enumerate a few, but by no  
means shall I enter into a detailed  
account of them; they are as follows  
and first of inflammation of the  
Skin, the character of the pain  
here is prurient and smarting,

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Often there is a great effusion of serum in the cellular tissue, it appears in a variety of forms, and is modified by a variety of circumstances, if the constitution be vigorous it may be called tonic but if the Constitution be in a weakened and debilitated condition it is called atonic inflammation there is another variety caused irritable and in this variety, the nervous system principally suffers.

Constitutional symptoms of inflammation. Of this symptom I shall only remark that it is only when inflammation is violent, that the constitution is much effected, and as we know the most important constitutional

Symptom is that of an increased action of the heart, and arteries. The full pulse, and buffy coat of the blood, or in other words when the system becomes in a weakened and debilitated state, the blood itself becomes changed in inflammation, and the red particles separating from the fibrin, and forming what is called the buffy coat. I will say no more upon constitutional symptoms.

Next to the Causes of this disease. I shall merely refer you to only a few of the causes of inflammation, and these are predisposing and exciting and they act both directly and

indirectly, directly, when it acts upon an inflamed part, and indirectly when it acts by means of sympathy, its effects are different in different constitutions and different temperaments and species of life, The influence of particular climates, the use of particular kinds of foods which will render the body peculiarly liable to inflammation, in the sanguinous temperament there is a predisposition to it, bad air, close confinement, copious evacuation, bad diet, depression of body and fatigue of mind, the frequent exhibition of Mercury, and in fact, previous disease of any kind will dispose to it,

The exciting causes of inflammation  
are numerous, the most common  
is that of cold, this produces inflam-  
mation in several ways, by decreasing  
the action in one part; and exciting  
a corresponding increase of action in  
another at some distance from  
the part first acted upon, secondly  
rendering the body more liable  
to be acted upon by other stimuli  
thirdly, by exciting inflammation  
immediately, and directly, I believe  
that it is a generally acknowledged  
fact, that the sudden application  
of cold immediately after being  
heated, is a more frequent cause  
of inflammation, than the application  
of heat after cold, I suppose this  
is owing in part to the perspiration

being so suddenly checked, and the fatigue of the body, pressure, friction and all external injuries are exciting causes of inflammation, also the absorption of mortid secretions are causes.

We next notice the Diagnosis of inflammation. When an invisible part is inflamed, there is always more or less pain increased on sudden pressure, if there be pyrexia, thirst or furred tongue, &c. &c. accompanying the pain, we may rest assured that there is inflammation, though the part be inflamed, gradual pressure may sometimes be borne, and at other times, the very slightest pressure may cause the most excruciating pain, when there is no inflammation, in Neuralgia for instance, if doubt

be entertained in forming a diagnosis,  
though there be pain or pressure, also  
fever, if the patient's system  
can bear it, then you would be justifi-  
able in treating it as inflammation.

### Next to the Prognosis of inflammation

In forming our Prognosis, several thing  
should be taken into consideration.

First, the age of the patient. The  
strength, and vigor of the constitution.  
The violence of the disease, its duration.  
The degree of disposition to it, and the  
vitality of the organ in which it  
is seated, also much depends  
upon the age and constitution  
of the patient; his mode of living,  
if temperate in his other habits,  
with a vigorous constitution the disease  
is not so apt to prove fatal.

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as in civilized persons, with a natural  
and delicate system, much  
also depends upon the intensity  
of the disease, and its liability to  
increase, also on its seat, for an  
exceedingly violent inflammation  
in an extremity would not be  
near so dangerous as one less violent  
in the Liver or Intestines, any  
abeyancy which may exist in  
the individual must be taken into  
consideration, for I have seen some persons  
in whom the slightest wound would  
be weeks, yes months in healing,  
whereas the same wound in others  
would be a source of no inconvenience  
whatever. And last but not least  
we take up the Treatment of  
Inflammation our first object.

in view is the Lancet; we take  
blood both local and general,  
and by this the quantity of blood  
circulating in the system is  
diminished, also the strength  
and frequency of the action  
of the heart and arteries. There  
is no stated quantity of blood  
to be drawn, this varies according  
to the violence of the disease,  
the temperament, the strength,  
and the health of the patient; the  
structure, functions, and inclinations  
of the part affected. Bleeding may  
be performed in any part of the body  
the object of which is to make as  
great an impression on the system  
by a given loss of blood as possible.  
Therefore it is advisable to make

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Make a large orifice in the vessel,  
and let the patient stand or  
sit up so that he may faint quickly  
if the blood be drawn with great  
rapidity a far greater effect is  
produced than if it had been drawn  
slowly. when in the erect posture the  
blood finds more difficulty in returning  
to the heart; and recapses more easily  
from it, than when a recumbent  
position. In inflammation of an  
internal part the effect of bleeding,  
and the necessity of a respiration must  
be judged from the feelings, and  
continuance of pain, from the state  
of the pulse, also from the appearance  
of the blood last drawn, a partial,  
and in some instances a complete  
cessation of pain takes place, even

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during the operation of venesection.  
This is of course a favourable symptom,  
against the skin does not cease for  
some time after bleeding; sometimes  
it is not received at all, in this  
case if the other symptoms remains  
unabated, Venesection must be carried  
almost to synecopæ, but the rule  
for extracting blood in general is  
not by quantity, but always for  
effect, being regulated by the  
nature of the remote cause, by which  
the inflammation has been induced,  
by the season, and climate, by the  
period of the disease, by knowledge  
of his former disease, and the effect  
of bleedelling in them, by the appearance  
of the blood itself, by the nature of the  
disease, prevailing in the country at the time

and finally by the effects of the first bleeding. I should suppose that immediately after a general bleeding, that local bleeding would be of material benefit, though it should never supersede general bleeding, if the latter should be necessary, we should make a decided impression upon the system by general desiccation, then the local immediately afterwards will be of a decided advantage, bleeding some distance from the part affected is often of great utility. Next to bleeding is Purgings. The saline purgatives are most commonly used in the begining of this disease, always using them which produce but little irritation.

Purgatives are beneficial in several ways. First, by evacuating the intestines of irritating feces, and by producing counter irritation in a part distant from the inflammation, but in inflammation of the intestines and stomach great care should be taken in their administration. A purgative should be regulated by the violence of the disease, also by the strength of the patient to whom they are given. We will merely state that emetics and Diaphoretics are occasionally called for in the treatment of inflammation. The application of cold water, or ice is of the utmost importance in some forms of inflammation. Low diet, total abstinance from all stimulating

diets, or drinks, bread, and water barley  
should be allowed in the form of water.

Mercury, is of great use in inflammation  
and should be used only after the extraction  
of blood, it may be given to slight  
pyrexia, then should be discontinued  
Opium, in full doses after venation  
is sometimes recommended except when  
contraindicated. In the Local  
Treatment of inflammation, the limb  
must be in an elevated position  
and if the inflammation be in  
an extremely cold applications  
blisters, poultices, etc, etc, should  
be employed, I should, after this  
treat the symptoms in general.  
I deem it unnecessary for me  
to give the terminations of inflammation  
therefore I shall desist from the arduous task