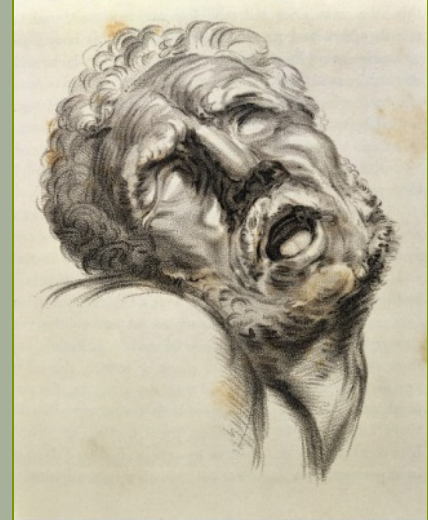


GRESHAM COLLEGE

A HISTORY OF PAIN

JOANNA BOURKE

AUTHOR OF THE STORY OF PAIN
AND PROFESSOR OF HISTORY, BIRKBECK, UNIVERSITY OF LONDON



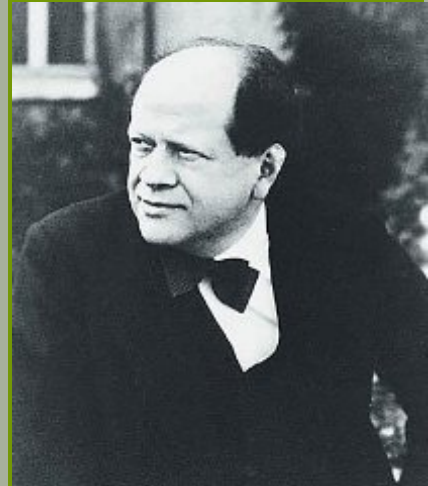
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**René
Leriche's
The
Surgery
of Pain
(1939)**

RENÉ LERICHE

“THERE WAS SIMPLY
NOTHING TO BE SEEN”



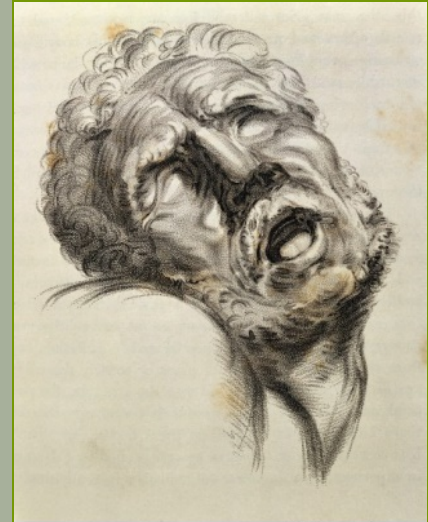


Drawn by M. L.

Pub. April, 1837, by T. Gillard, 40 Strand.

A SPLITTING HEAD-ACHE.

Oh my poor head!—How it does throb!!



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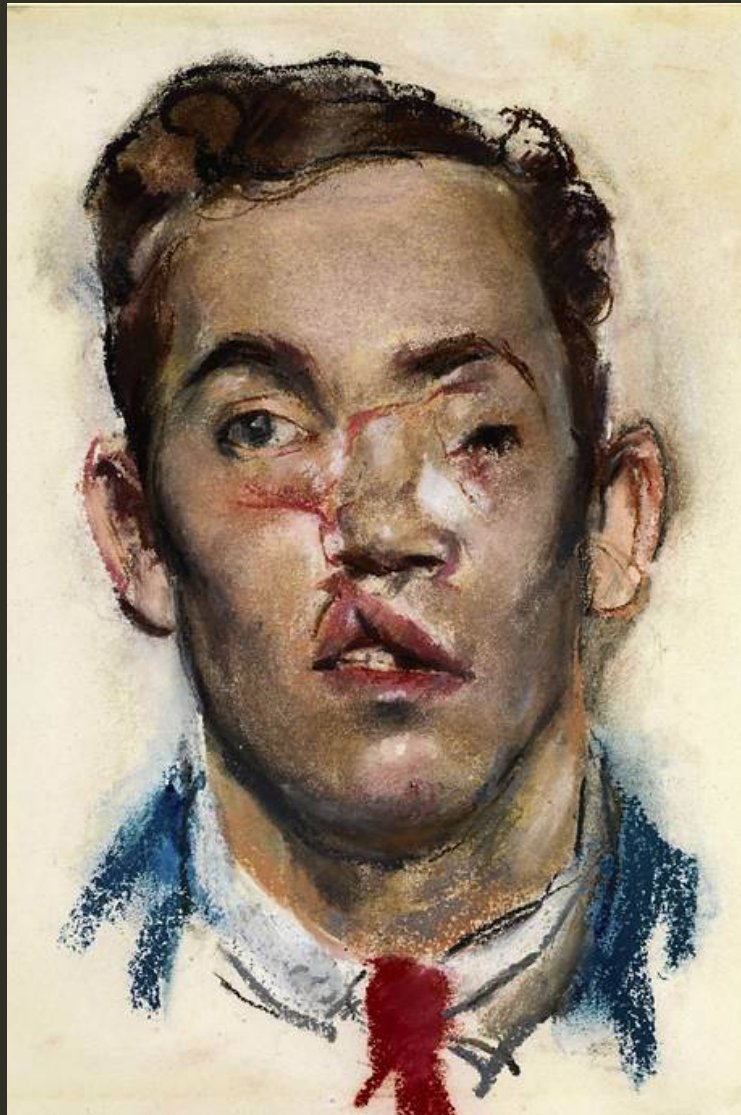
For NERVE PAINS and NEURALGIA

*They're
Wonderful*

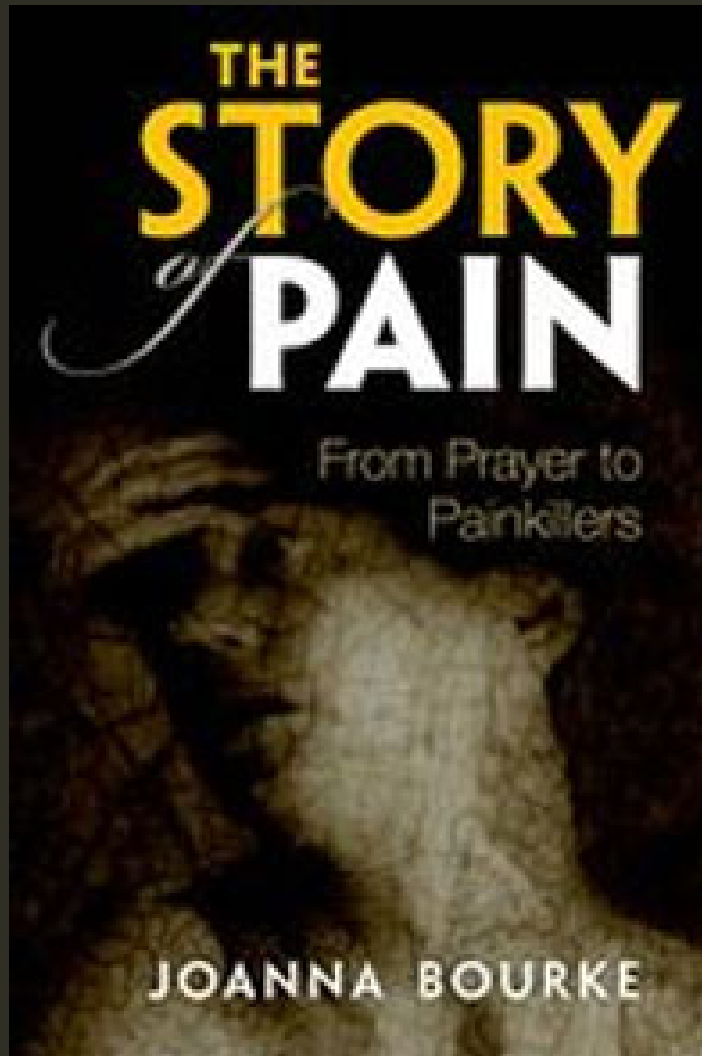
When the whole bodily system cries a halt through Nerve Pains, or mental effort is retarded by the wretched pain of Neuralgia, then is the time to take Beecham's Powders. I find them really wonderful! Quickly absorbed they are speedy in action and very welcome relief soon comes. They are equally good for Headaches, Lumbago, Colds and Chills.



Wellcome Images



Henry
Tonks
(First
World
War)



THE
STORY
of
PAIN

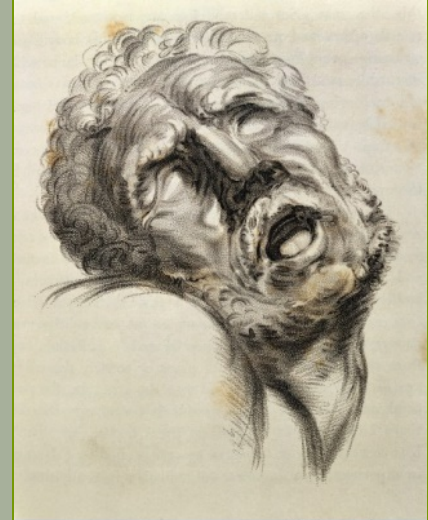
From Prayer to
Painkillers

JOANNA BOURKE



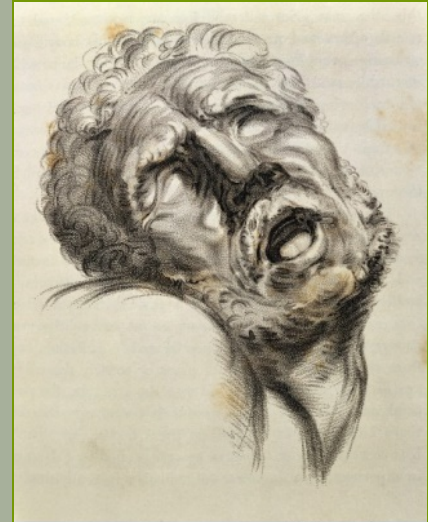
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**Nineteenth-century physicians,
who prided themselves as “men of feeling”,
reinvented themselves as “men of science”,
with empathetic *detachment*
being seen as the most appropriate
comportment of
physicians vis-a-vis their patients .**



Wellcome Images

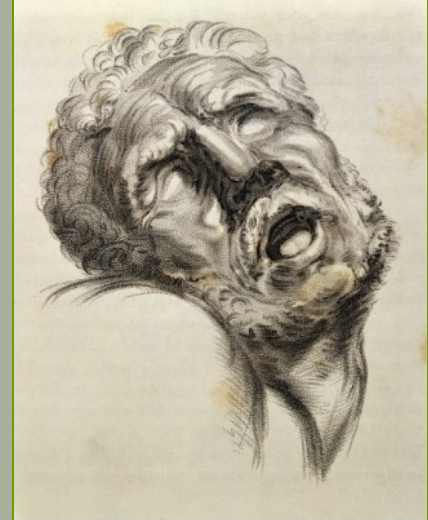
**In the nineteenth century,
body and mind, pain and suffering,
were sheared apart .**



Wellcome Images



SERPIGINOUS TUBERCULAR SYPHILIDE.
1. of Back. 2. of Arm.





Charles
Bell



XIII
Waterloo
Fired by a horse-brochelle
found on the field - no blood - flaring
11 days.

The glans of the
Scapula and part of the clavicle
were avulsed - The artery drawn
out - tied - in incision. Bell.

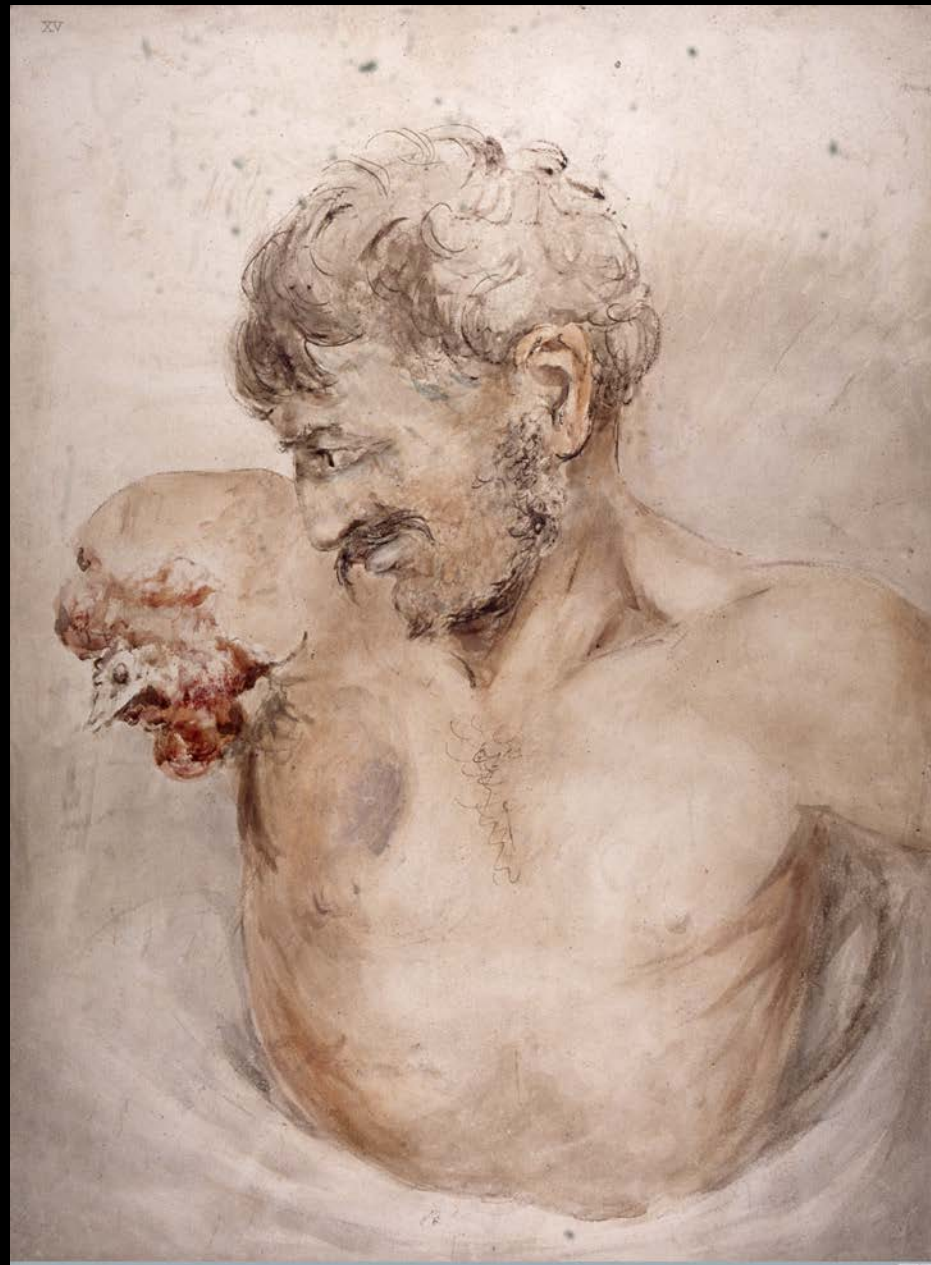
Charles Bell

**“Pain is affirmed to be unqualified evil;
yet pain is necessary to our existence;
at birth, it rouses the dormant faculties, and
gives us consciousness.**

**To imagine the absence of pain,
is not only to imagine a new state of being,
but a change in the earth and all upon it....**

**Sensitivity to pain is destined to be the
protection; it is the safeguard of the body.”**

**Charles
Bell**



**Charles
Bell**



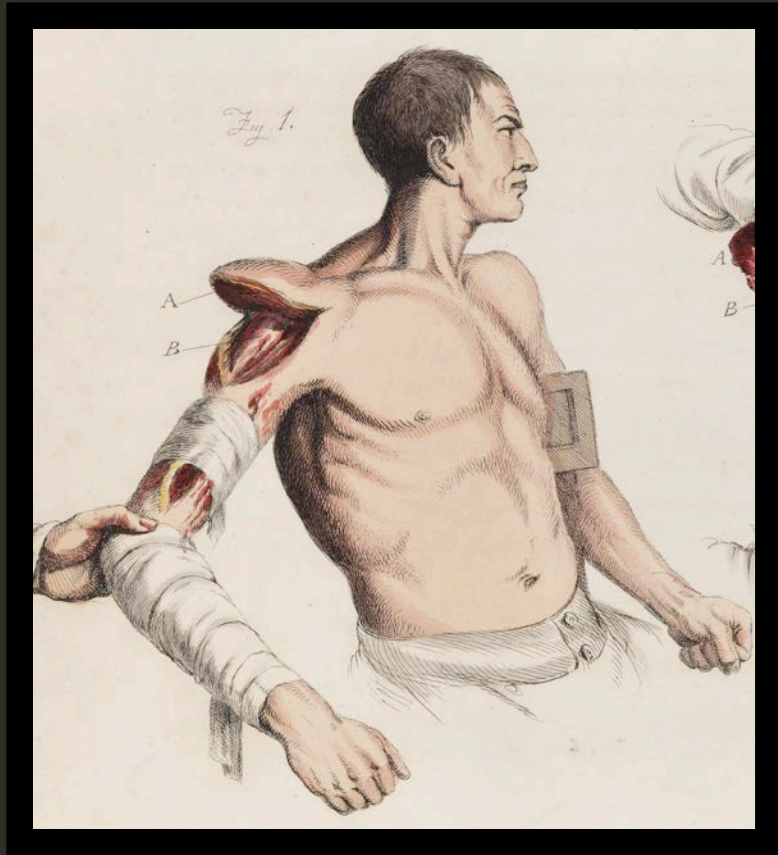
Charles Bell

Charles Bell



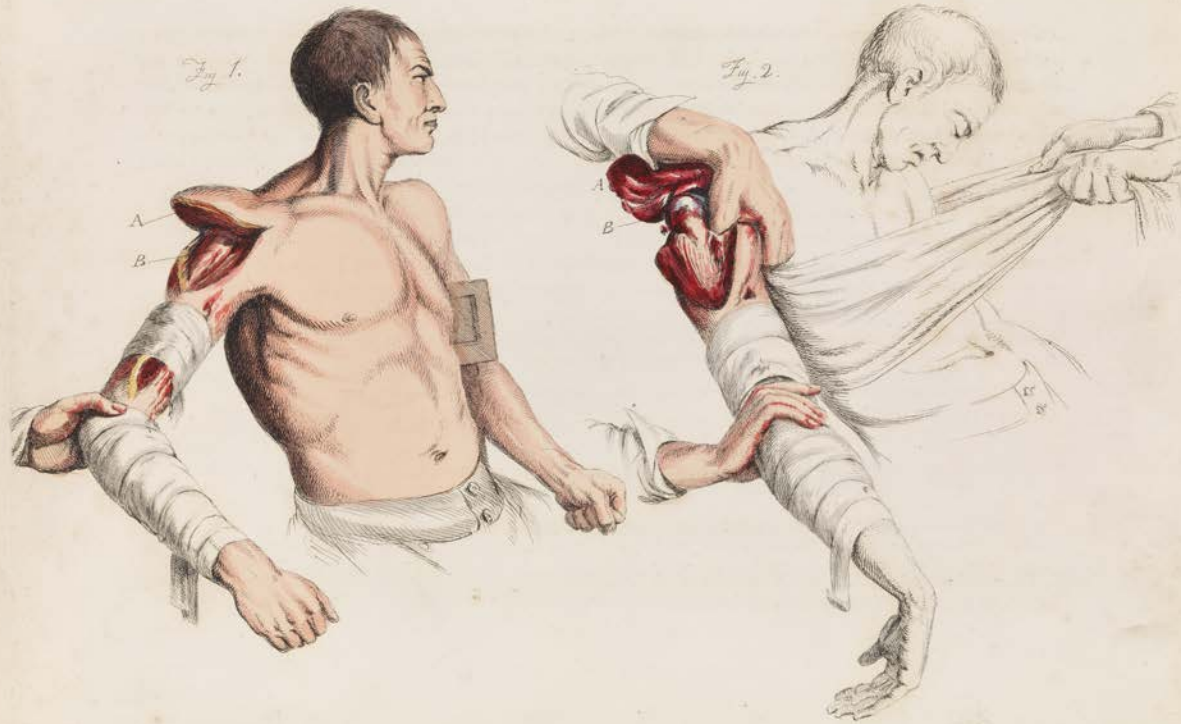
The surgeon should not “stand[] like the foolish maid, who holds her apron betwixt her pretty eyes and the object of her horror”.

**Charles
Bell**



Charles Bell

PLATE XX.



London, Published by W. Woodcut, in the Strand, near St. Dunstons Church.

Charles
Bell

**Facial expressions and gestures
were a
“natural language” .**

**God-given;
Phrenology and physiognomy**



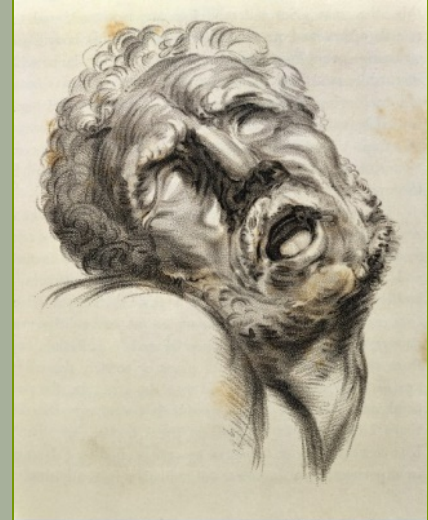
Wellcome Images

Pain would

1) heal the sufferer and

**2) have an “irresistible moral influence over
the minds of spectators,**

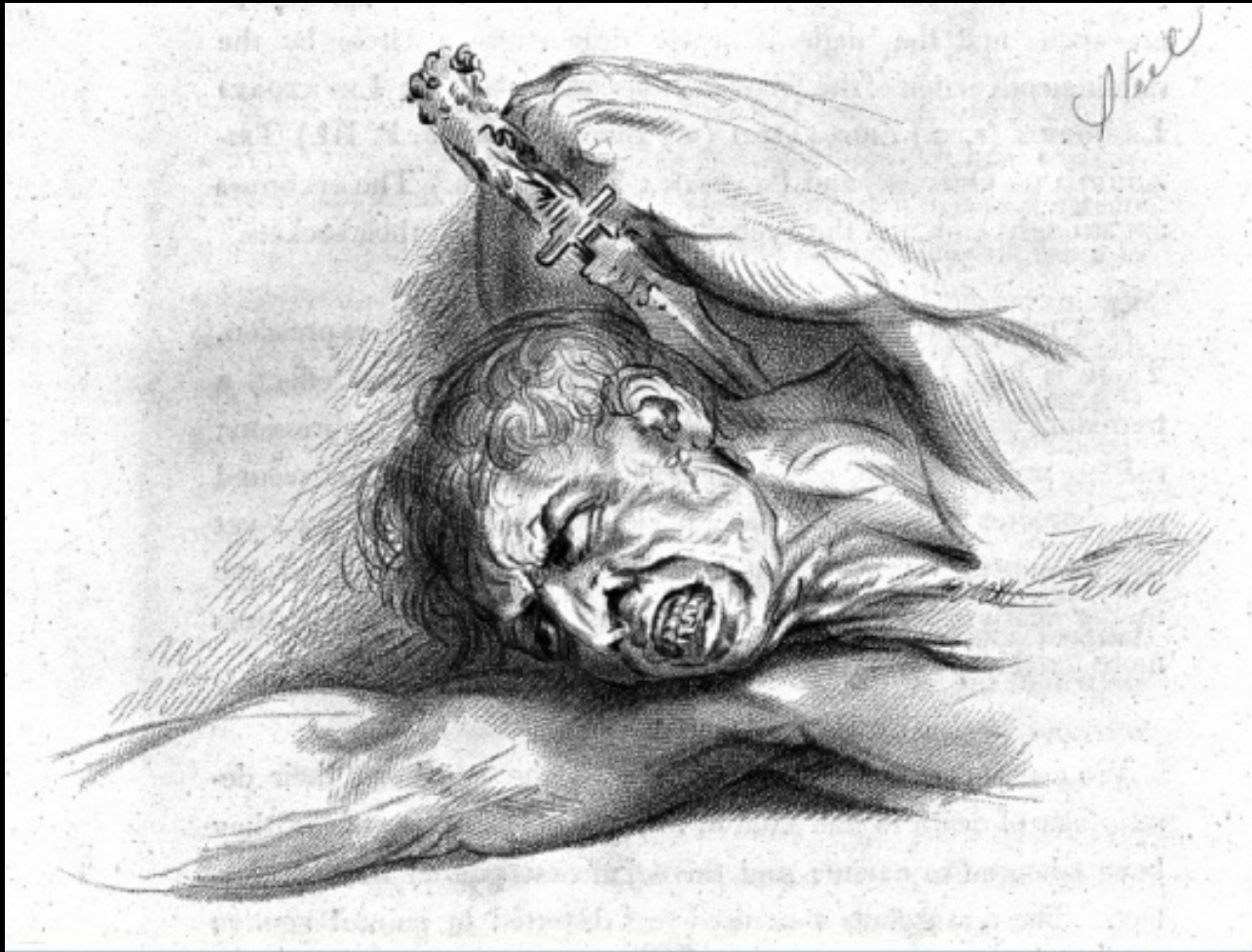
through the amazing power of sympathy”.



Wellcome Images



Battle of Waterloo



Wellcome Images

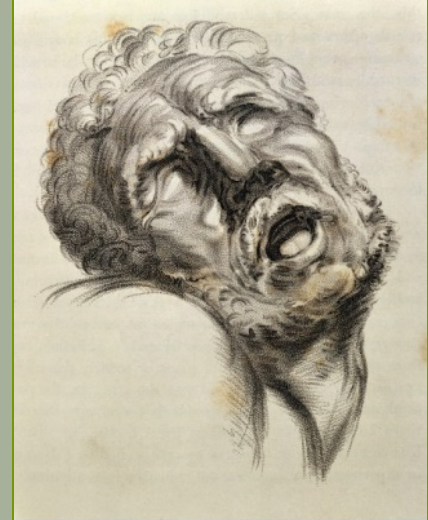
Charles Bell

**THE EXPRESSIONS OF AGONY
WERE AN INTEGRAL PART OF THE HEALING PROCESS**

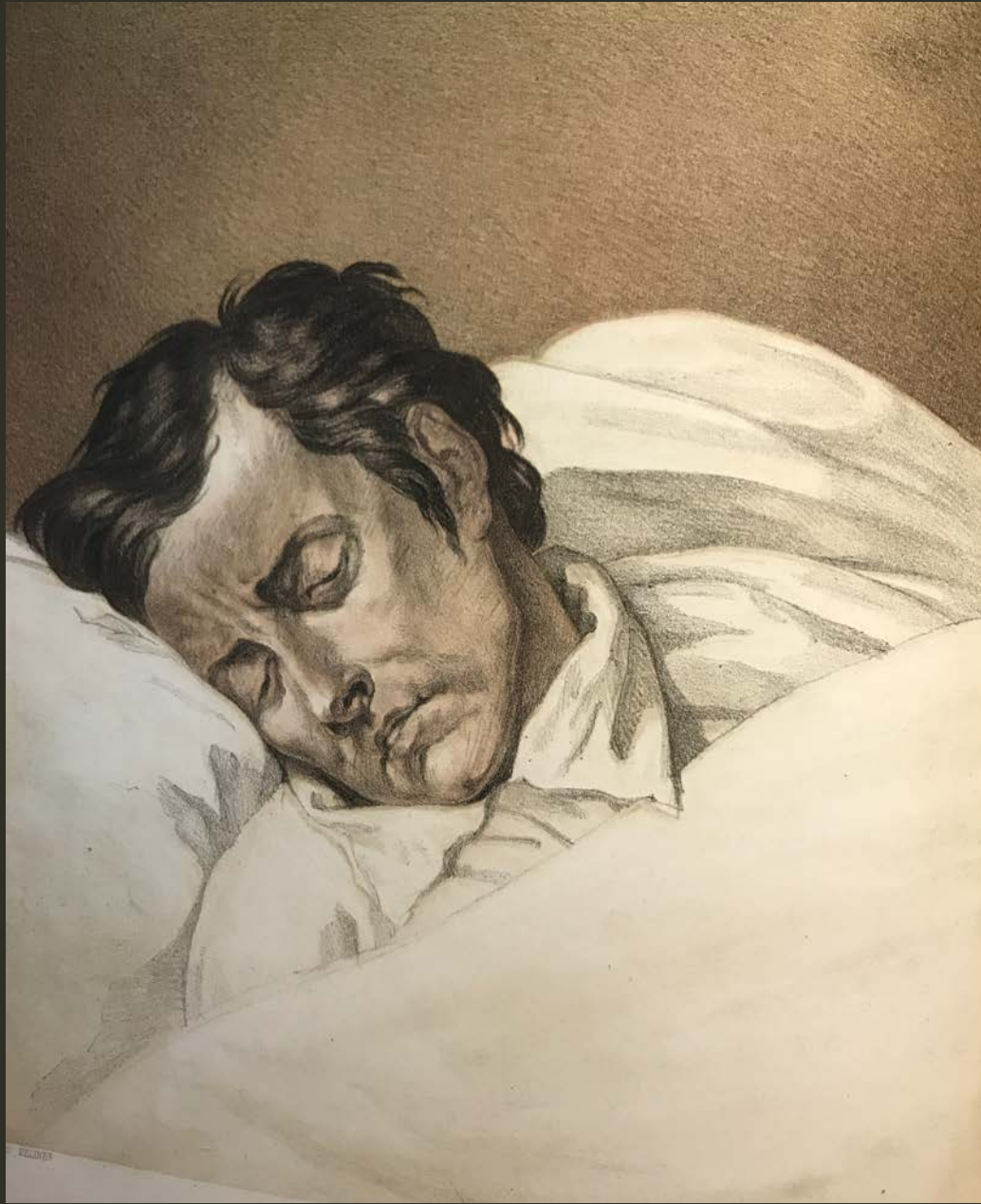
**1) THEY PREPARED THE FRACTURED-BODY FOR THE
TRIAL AHEAD,**

**2) THEY PREPARED THE SURGEON FOR HIS ACT OF
GIVING AID,**

**3) AND THEY PREPARED THE WITNESSING PUBLIC FOR
THEIR ACT OF SYMPATHY.**



Wellcome Images



George
Corfe

**“FIRST RUN HIS EYE OVER THE FACE,
AND GET THAT BY HEART, SO TO SPEAK”**

**George
Corfe**

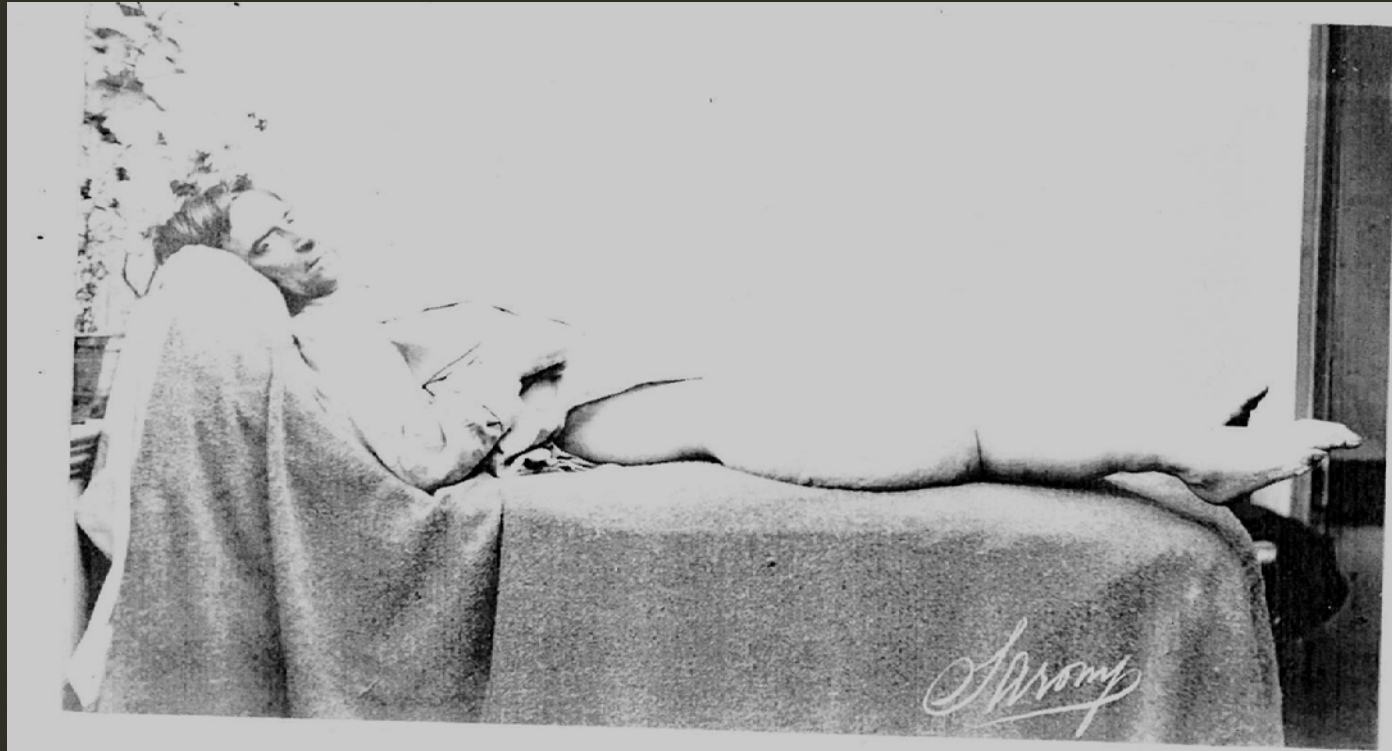


Johann
Kaspar
Lavater

ESSAYS
OR
PHYSIOGNOMY.
CONTAINING THE SECRETS OF
THE KNOWLEDGE AND THE LOVE OF MANKIND.
BY
JOHN CASPAR LAVATER,
DEAN OF ST. GALL, AND MEMBER OF THE ACADEMY.
ILLUSTRATED BY MISS TAYLOR
WITH FORTY ENGRAVINGS, ACCURATELY COPIED
AND VERY EXCELLENTLY DONE FROM ORIGINALS.
BY
THOMAS HOLLOWAY,
REPRODUCED FROM THE PRESS
OF
HENRY HUNTER, DD.
MEMBER OF THE SOCIETY OF THE ANTIQUARIES,
AND MASTER OF THE SCHOOLS OF ST. GALL.
VOLUME I.



Johann
Kaspar
Lavater



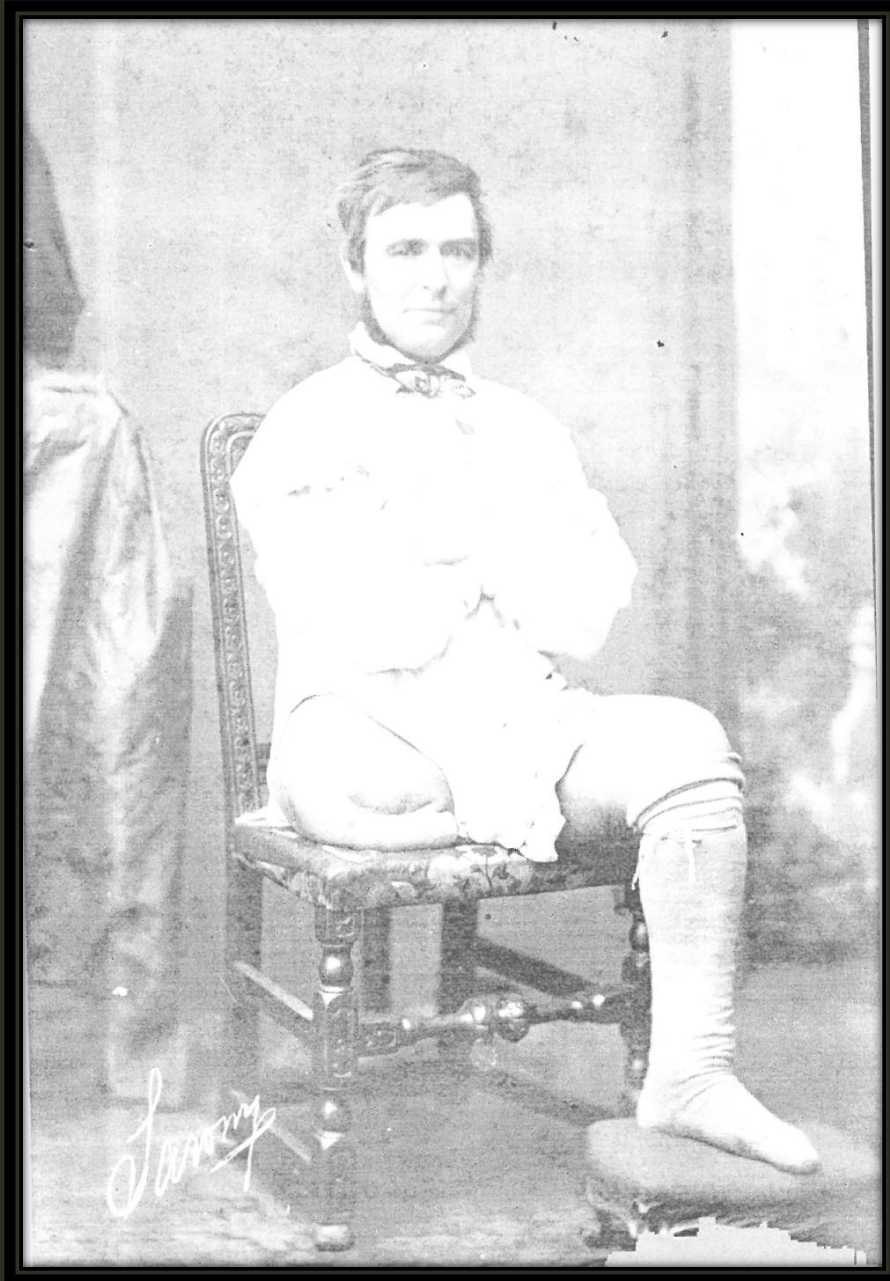
Samson
Gamgee
(1865)



Samson
Gamgee
(1865)



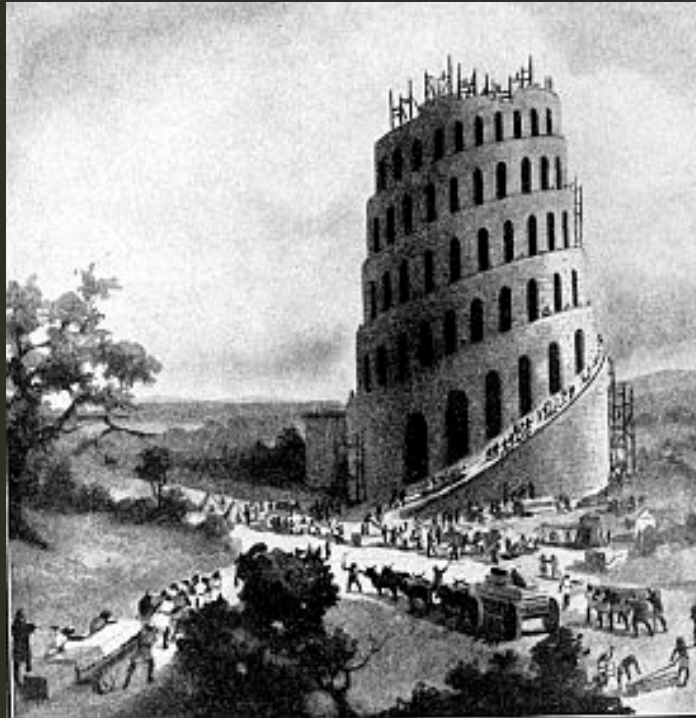
**Samson
Gamgee
(1865)**



Samson
Gamgee
(1865)



**Samson
Gamgee
(1865)**



**Gestures
superior
to words**



Guillaume
Benjamin
Amand
Duchenne
de
Boulogne

“In the face, our Creator was not concerned with mechanical necessity. He was able, in his wisdom, or – please pardon this manner of speaking – in pursuing a divine fantasy, to put any particular muscles into action, one alone or several muscles together, when he wished the characteristic signs of the emotions, even the most fleeting, to be written briefly on man’s face. Once this language of facial expressions was created, it sufficed for him to give all human beings the instinctive faculty of always expressing their sentiments by contracting the same muscles.”

Guillaume
Benjamin
Amand
Duchenne
de
Boulogne

Diagnostic classification systems

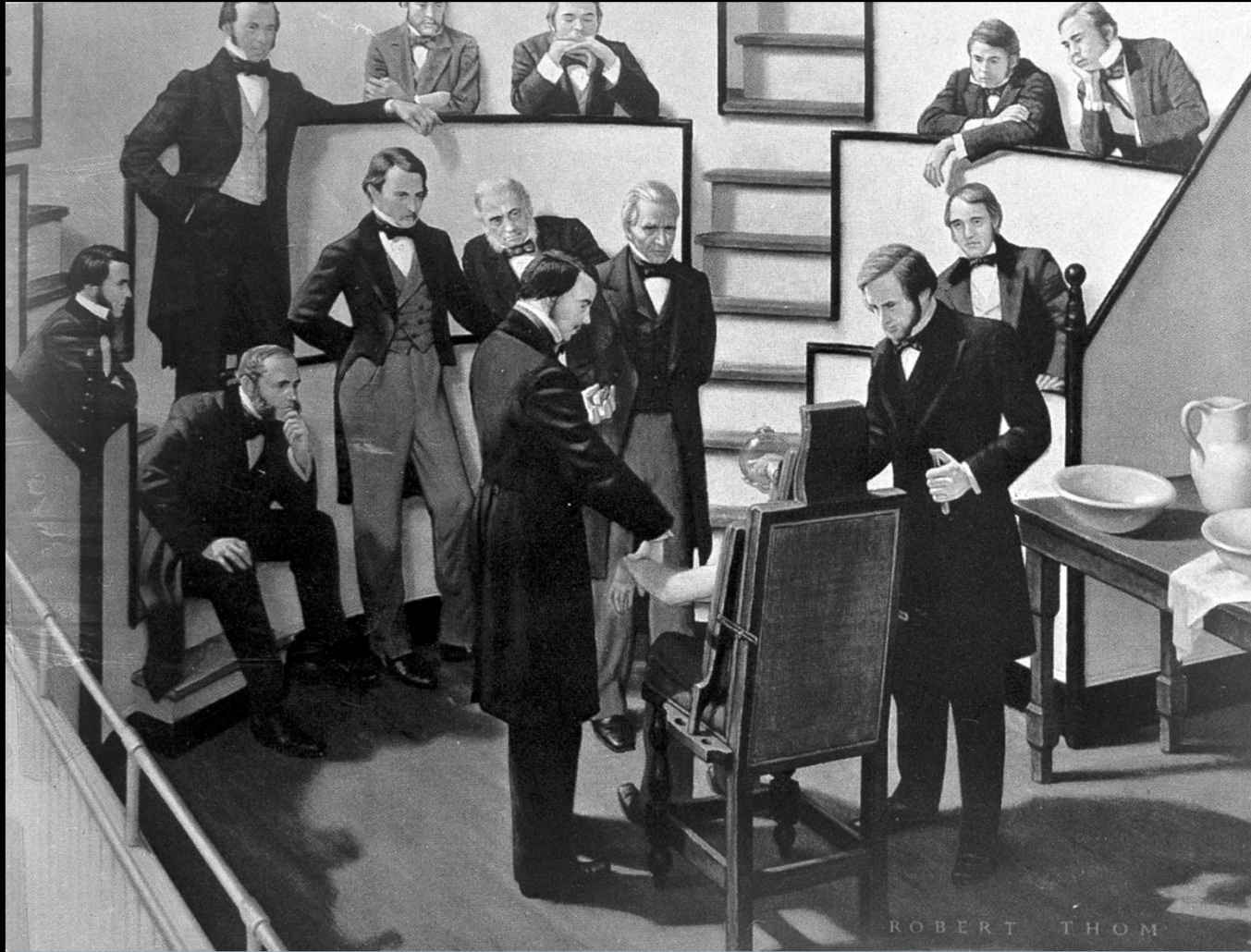
Changing medical technologies

Hospital medicine focused not on individual peculiarities but generalizations based on large numbers of people.

The growth of laboratory medicine enabled physicians to bypass patient-narratives in their search for an “objective diagnosis” based on knowledge taken from microbiology, chemistry, and physiology.



Wellcome Images



ROBERT THOM

Wellcome Images



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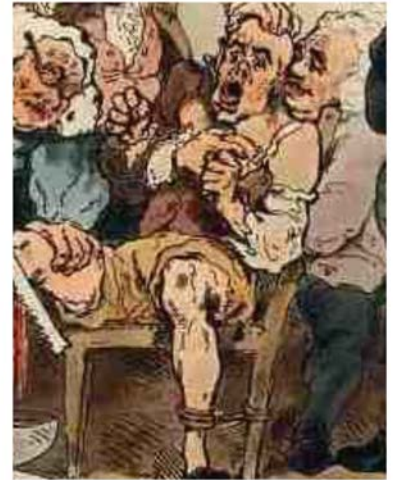


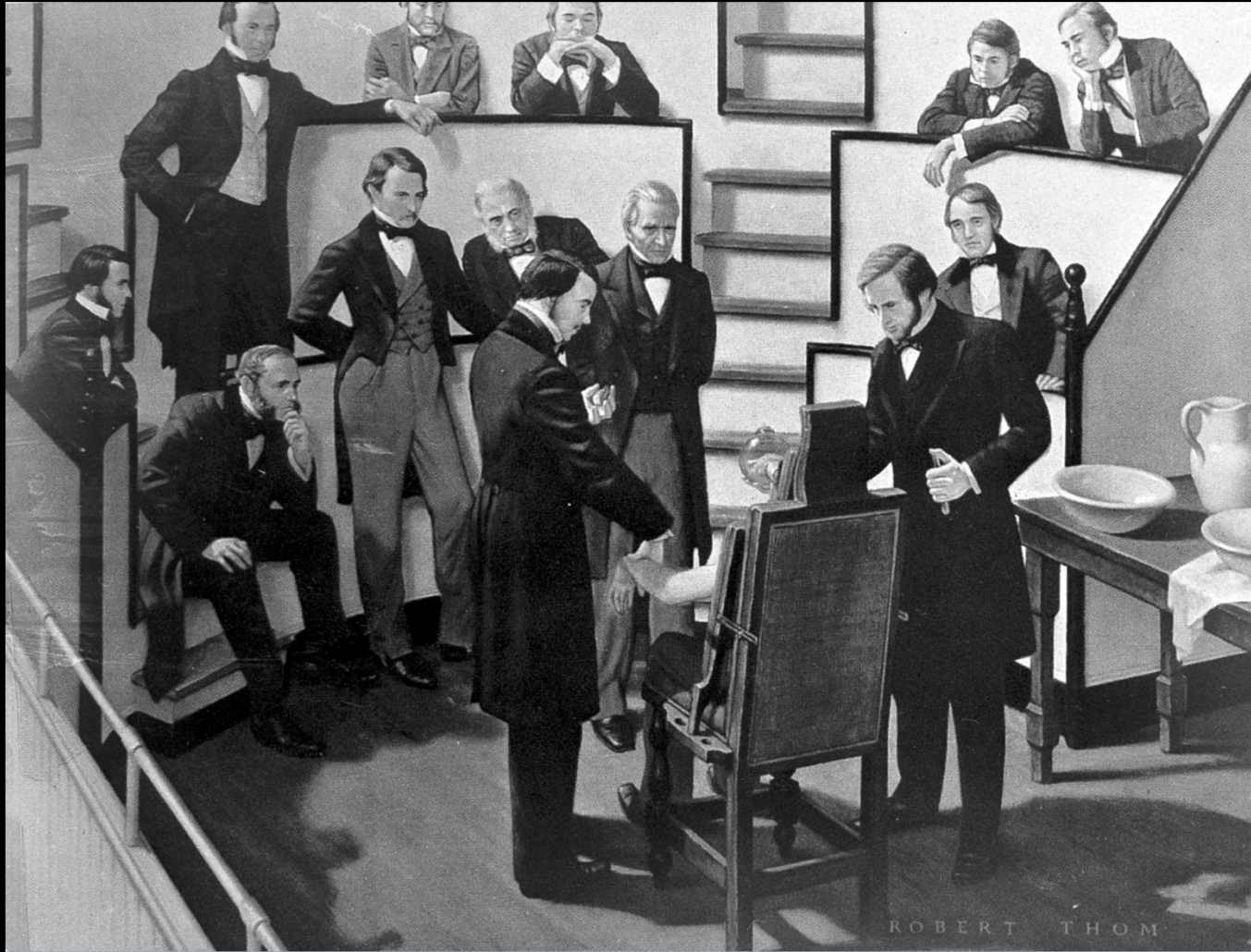
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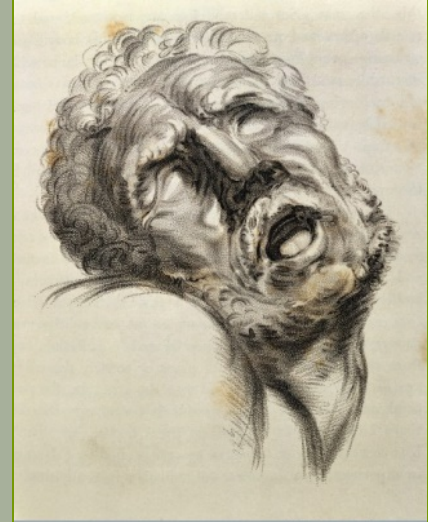
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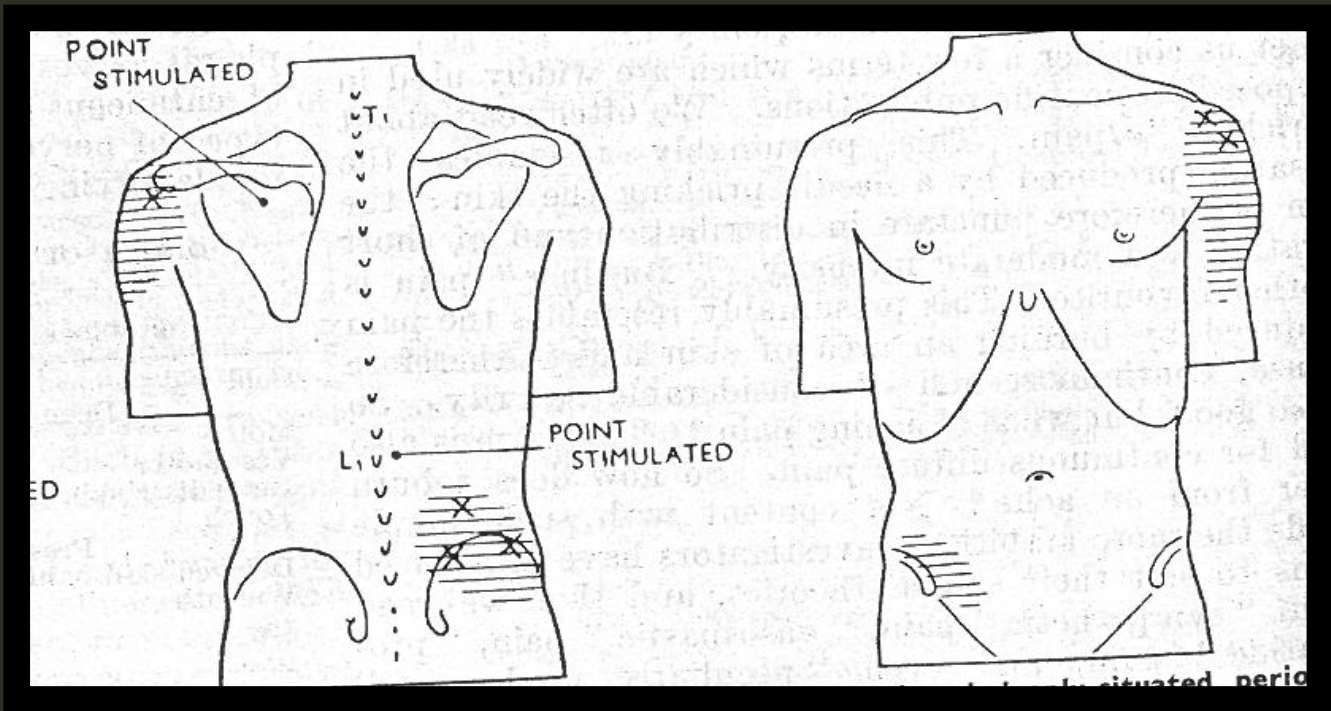


ROBERT THOM

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Kellgren,
1949



DESCRIPTION OF FIGURE.

The area A is seen marked out by ink on the back of the right forearm and hand. A tattooed figure is seen on the upper arm. The area F is marked out on the right side of the chest, and a cross below the right nipple indicates one seat of pain. Friction or simple pressure over A causes pain in F.

Monro,
1895

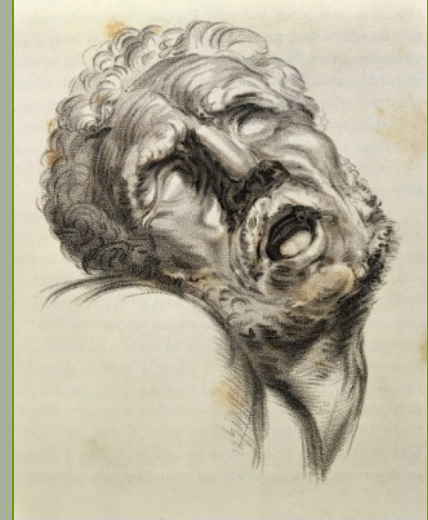


DESCRIPTION OF FIGURE.

The area A is seen marked out by ink on the back of the right forearm and hand. A tattooed figure is seen on the upper arm. The area F is marked out on the right side of the chest, and a cross below the right nipple indicates one seat of pain. Friction or simple pressure over A causes pain in F.

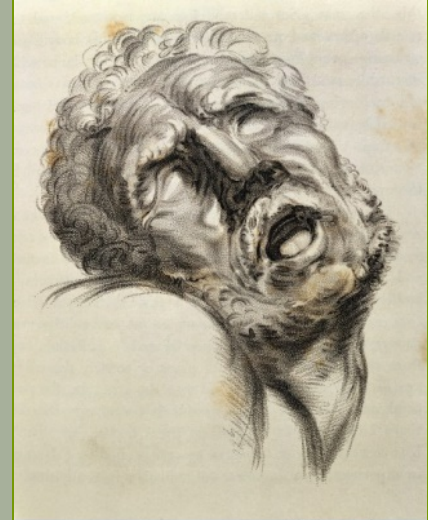
Pain resides
on the
surface of
the body,
typically
conceived of
in
geographical
terms i.e.
“pain maps”
and “regions
of pain”

The specificity theory of pain
focused on the way pain travels
(the geographical metaphor is important)
from the skin to a pain centre in the brain



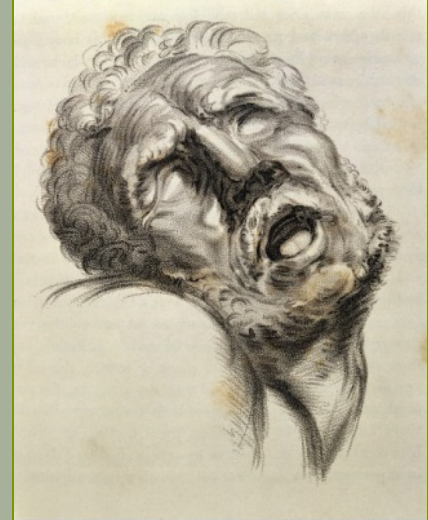
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“Invisible” pain could be discounted.

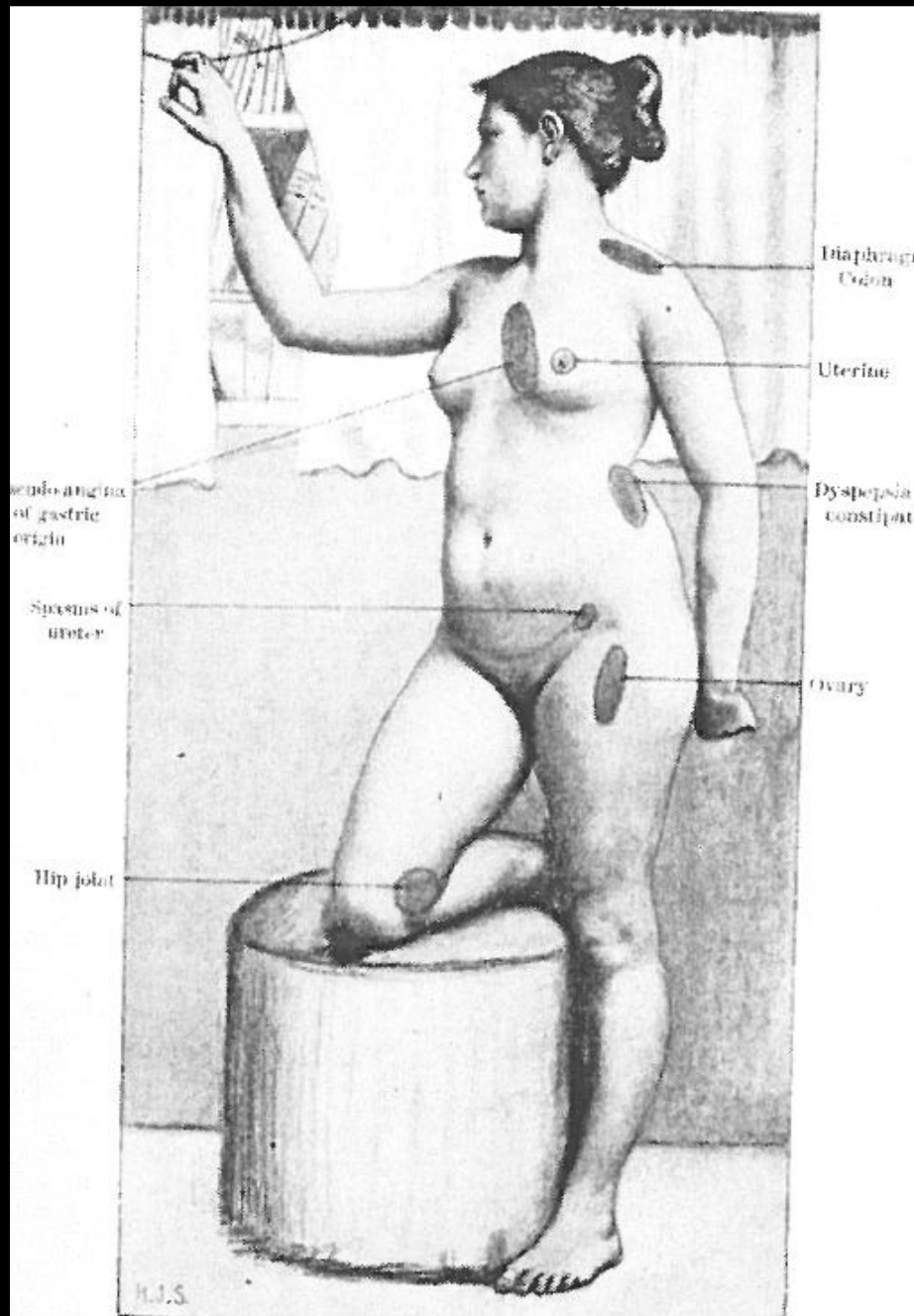


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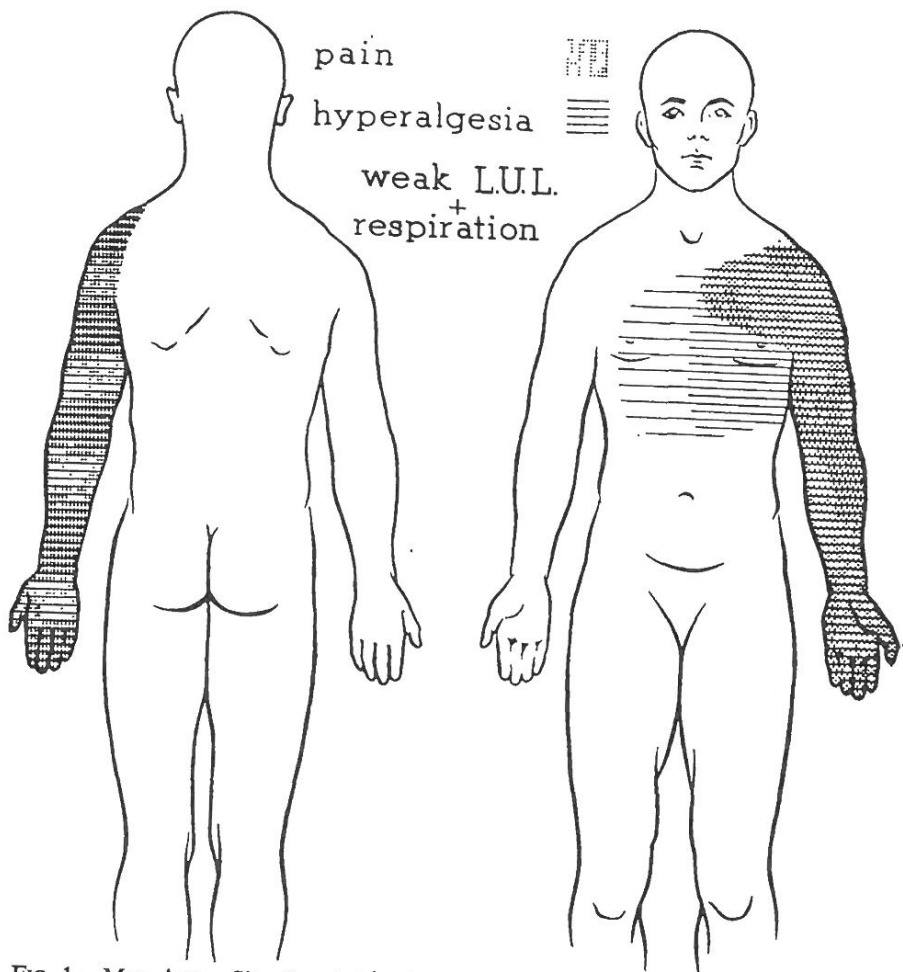
“Referred pain”,
or pain that did *not* straightforwardly
relate to the site of lesion or disorder.



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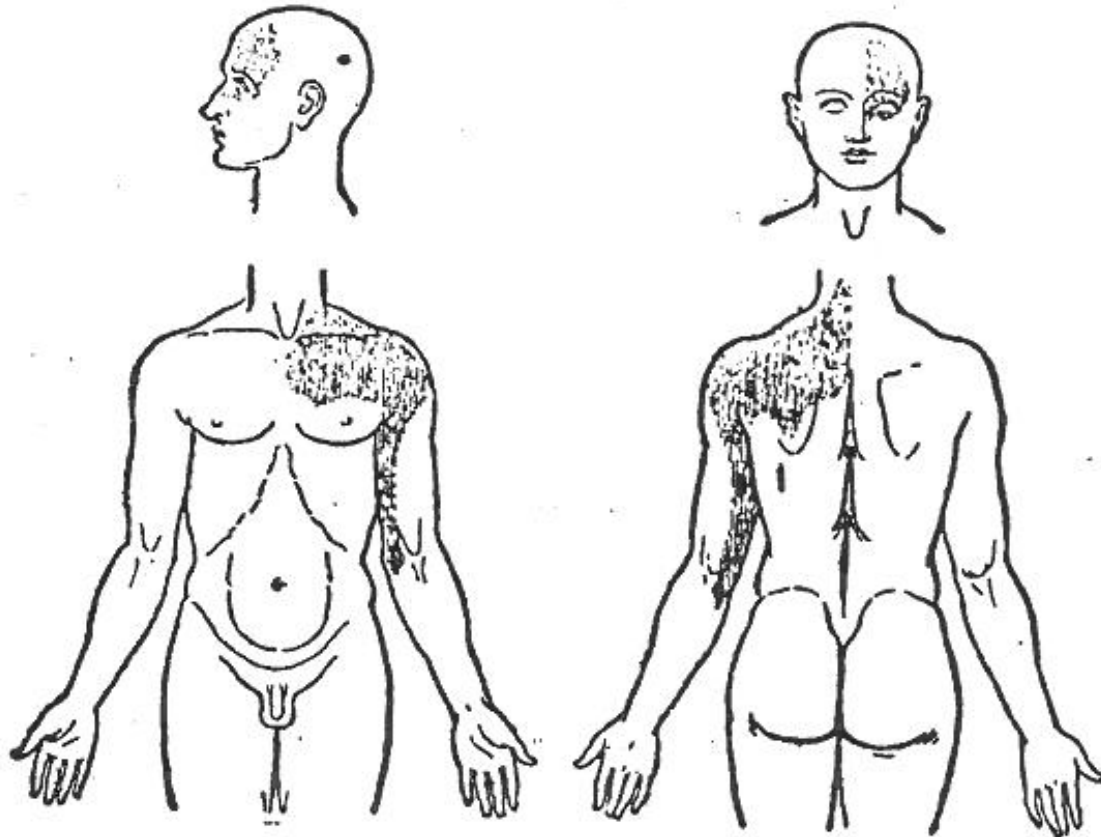
Butler,
1901



pain
hyperalgesia
weak L.U.L.
+
respiration

FIG. 1.—Mrs. Ace. Situational depression plus conversion hysteria. Duration one year.

Walters,
1961



**Henry
Head,**
1896 and 1922

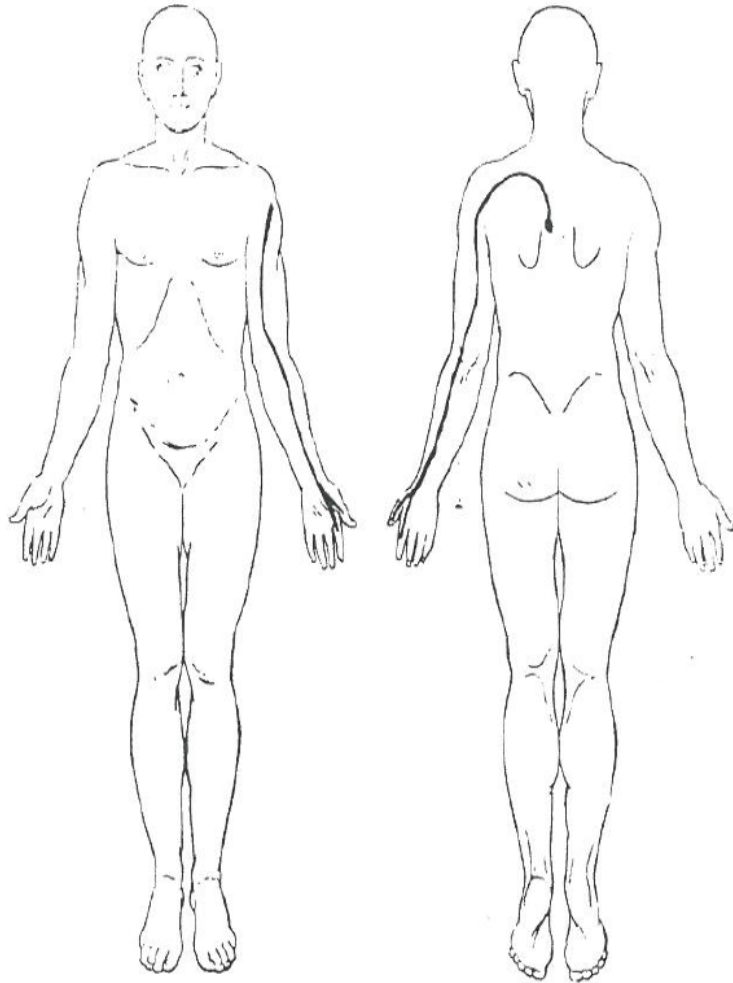
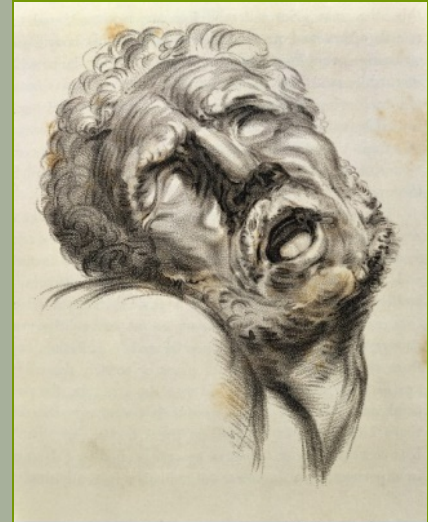


CHART A2(a).—Organic pain. Cervical prolapse disc lesion.

Palmer,
1949

(organic pain)

Palmer's
"A Description of a Technique Whereby
Functional Pain May Be Diagnosed from Organic Pain".



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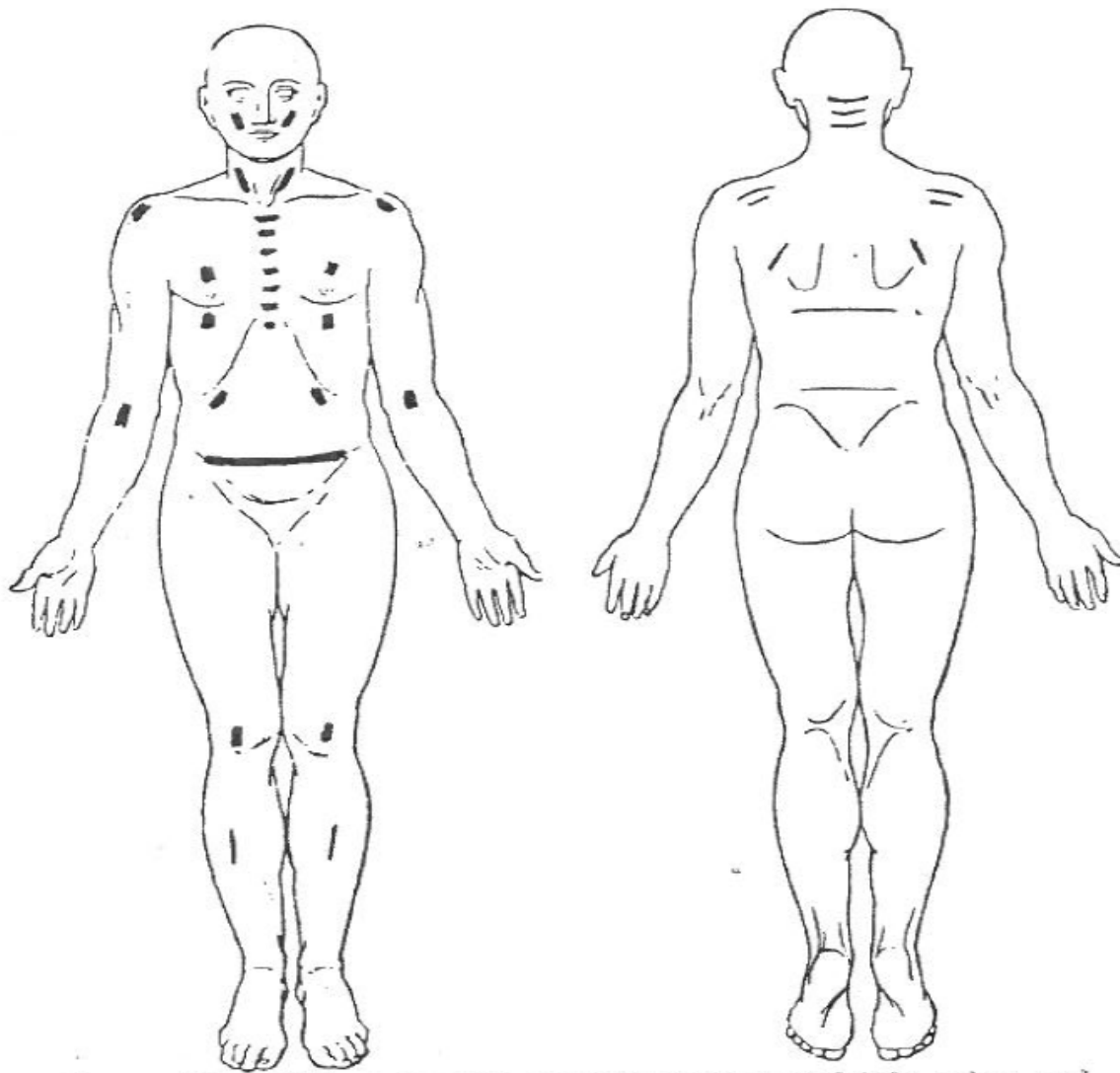
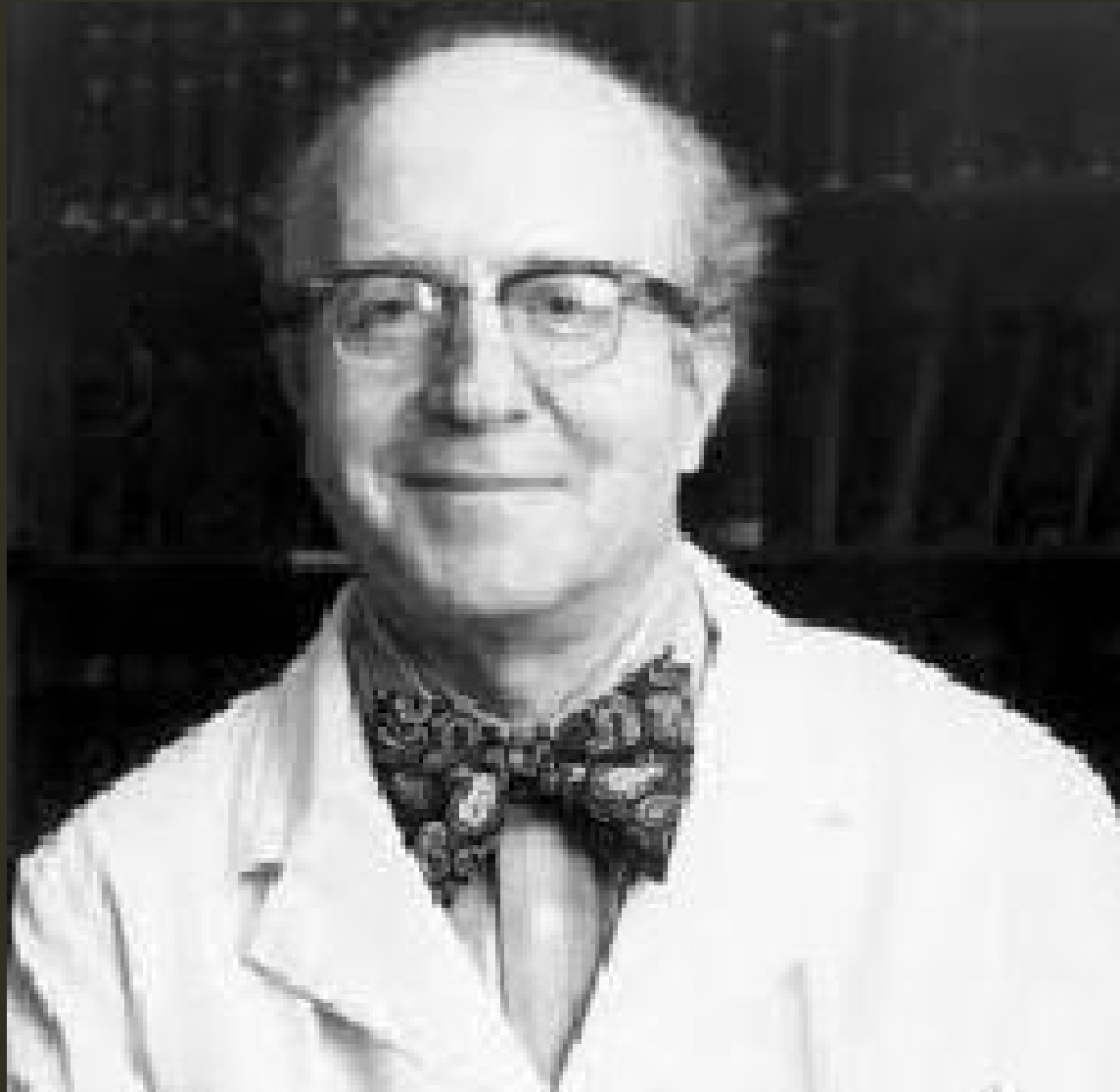


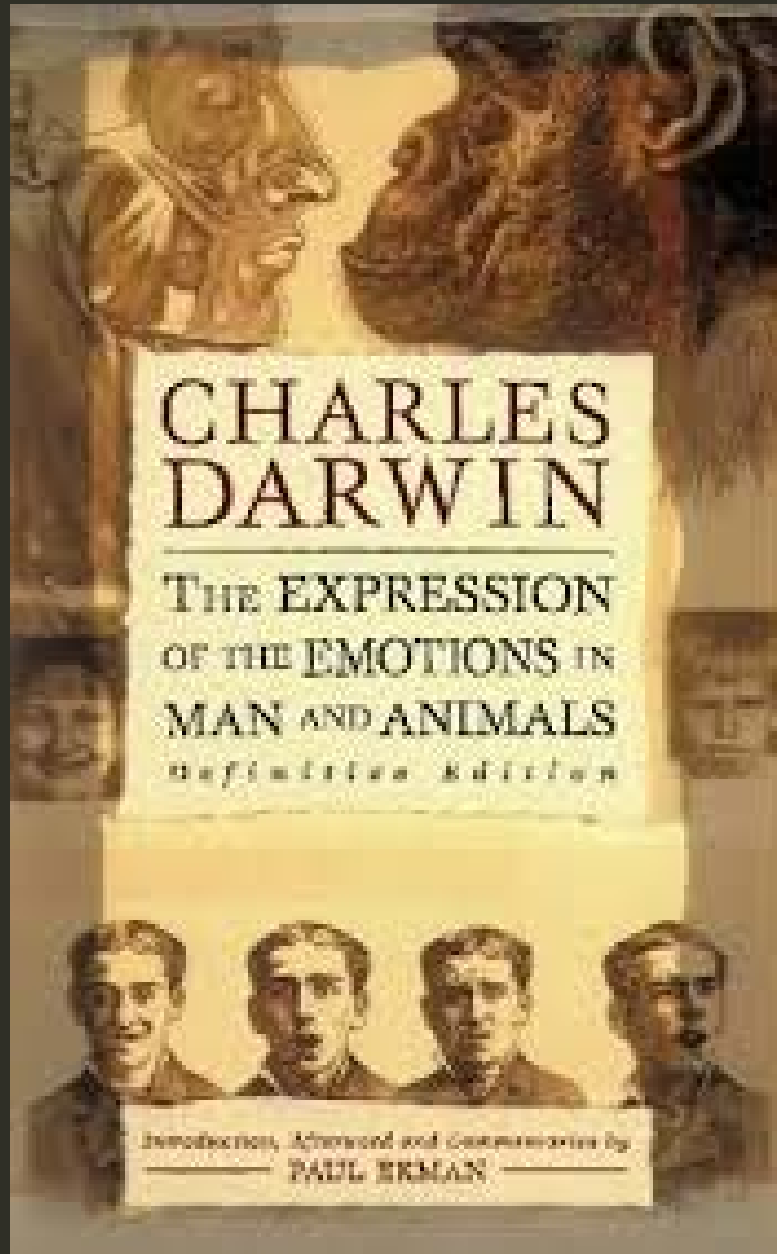
CHART B7.—Diffuse tension syndrome with multiple aches and pains.

Palmer,
1949

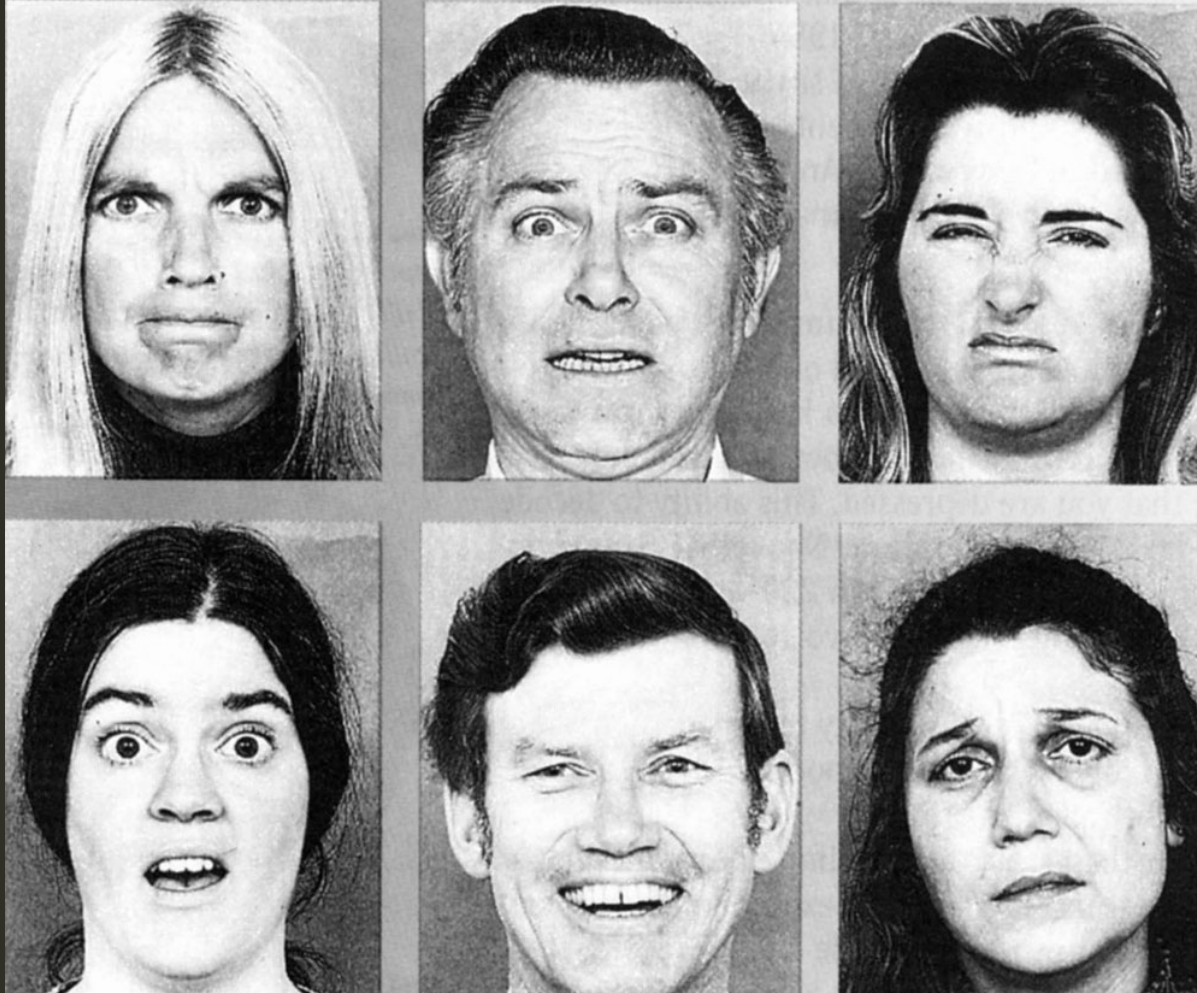
(functional pain)



George
Engel



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Paul
Ekman
(1970s)



4



3



2



Infant Expressive Scale

Not present
"0"



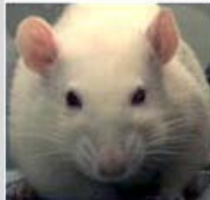
Moderate
"1"



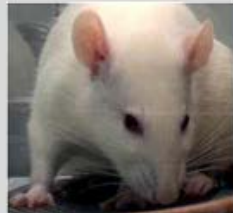
Obvious
"2"



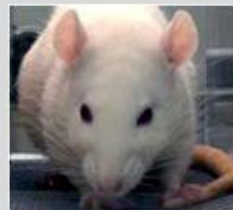
Orbital Tightening



Nose/Cheek Flattening



Ear Changes

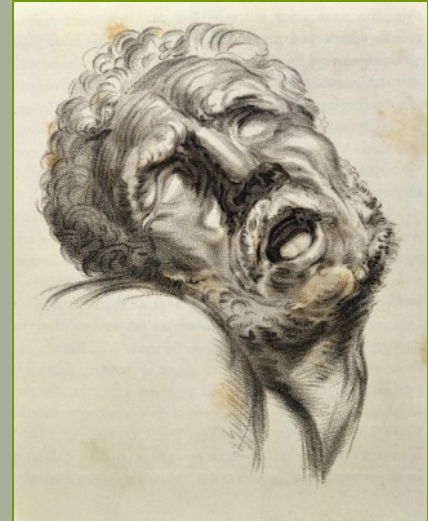


Whisker Change

"Rat Grimace Scale"

Prkachin and Craig observed that

“Clinicians, adjudicators, insurance investigators, and family members often propose that the financial or social consequences of pain displays, rather than the experience of suffering, represent their true source.”



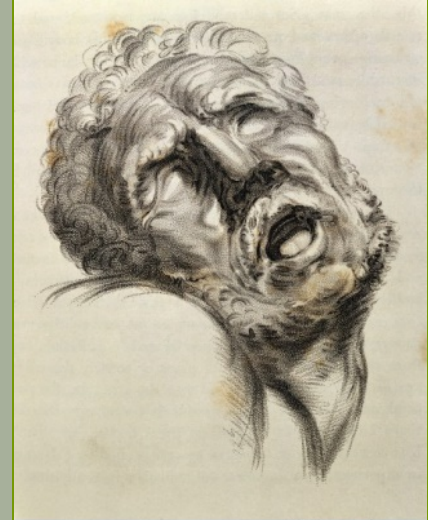
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