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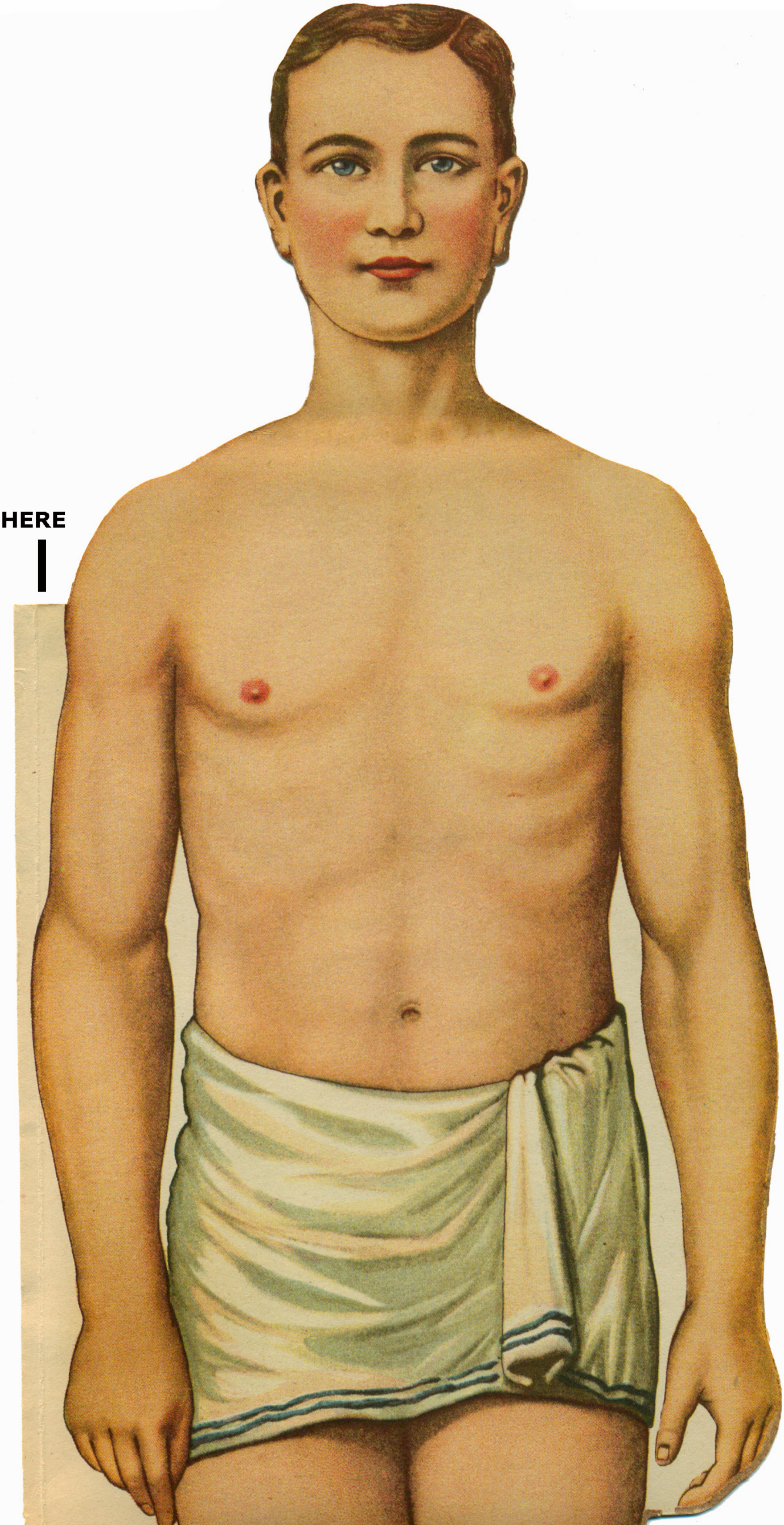

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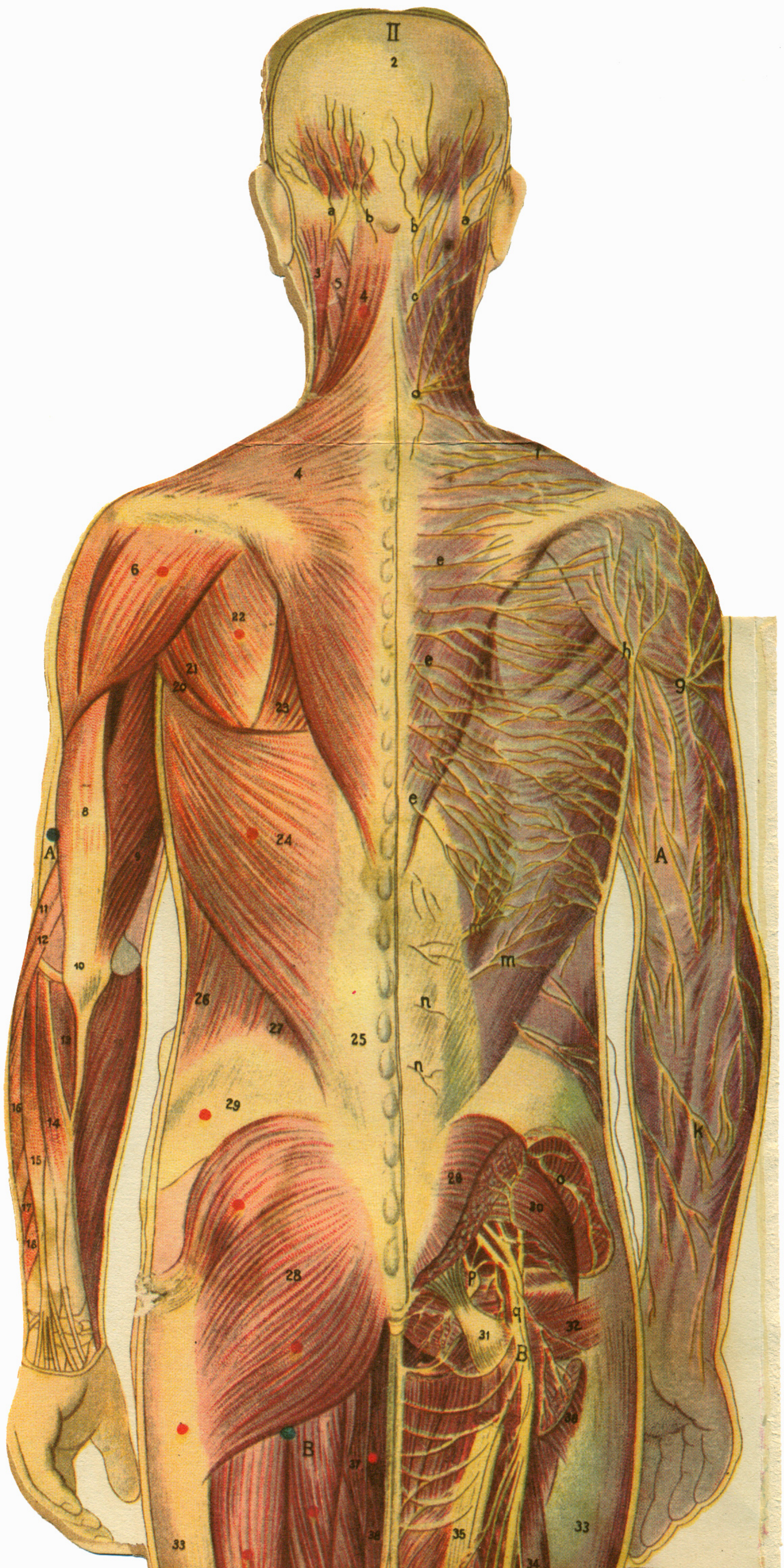
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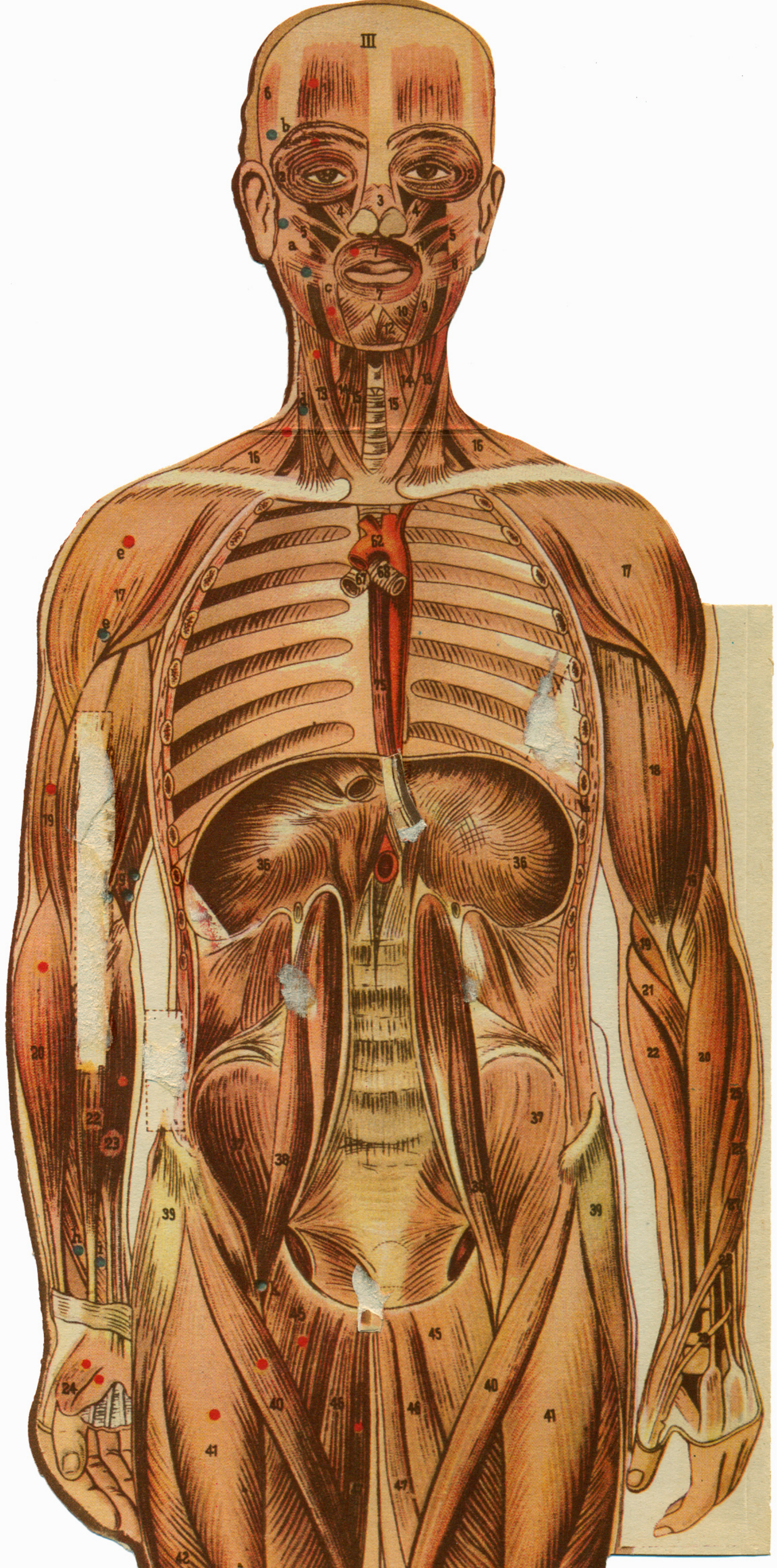

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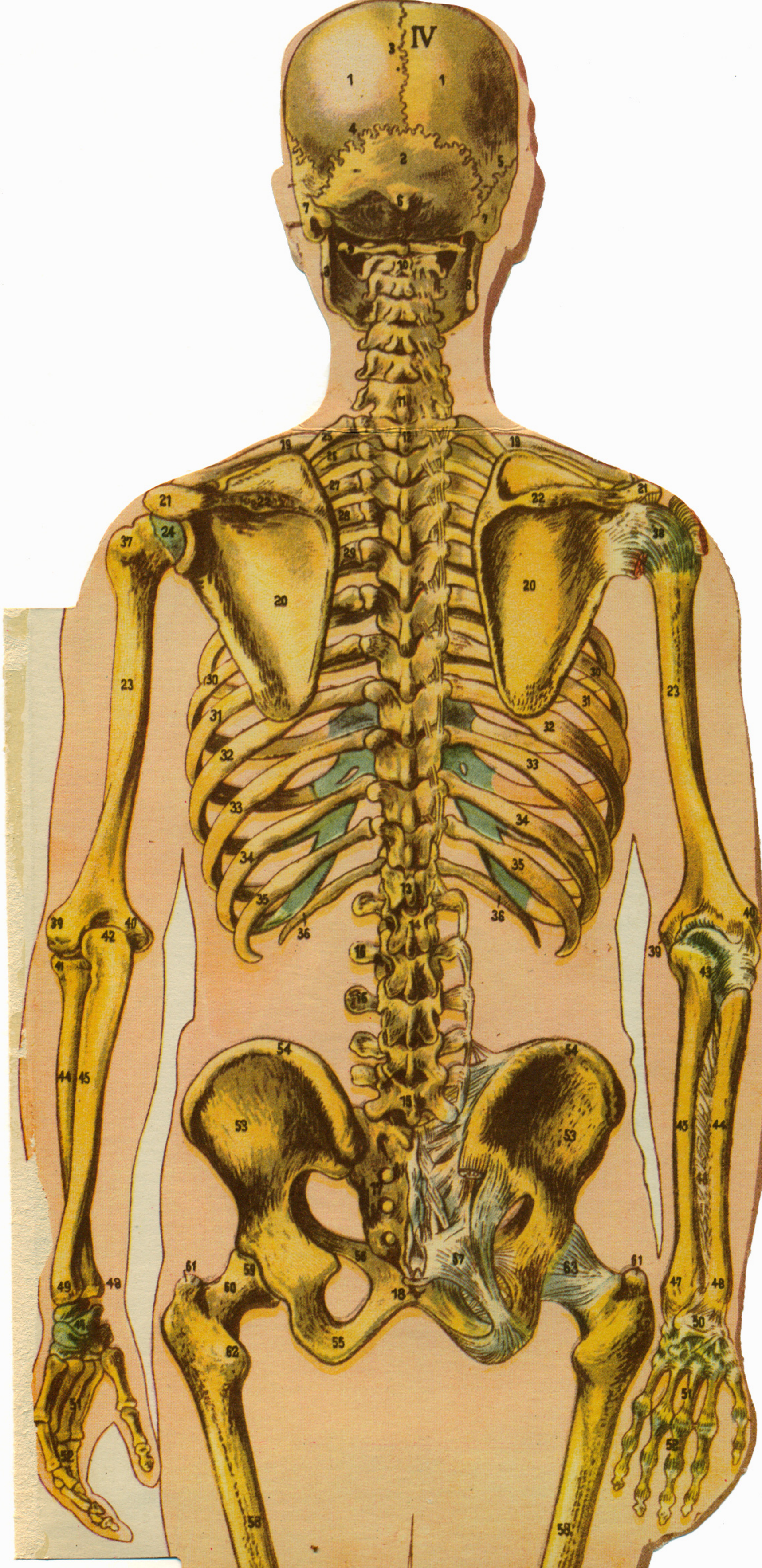

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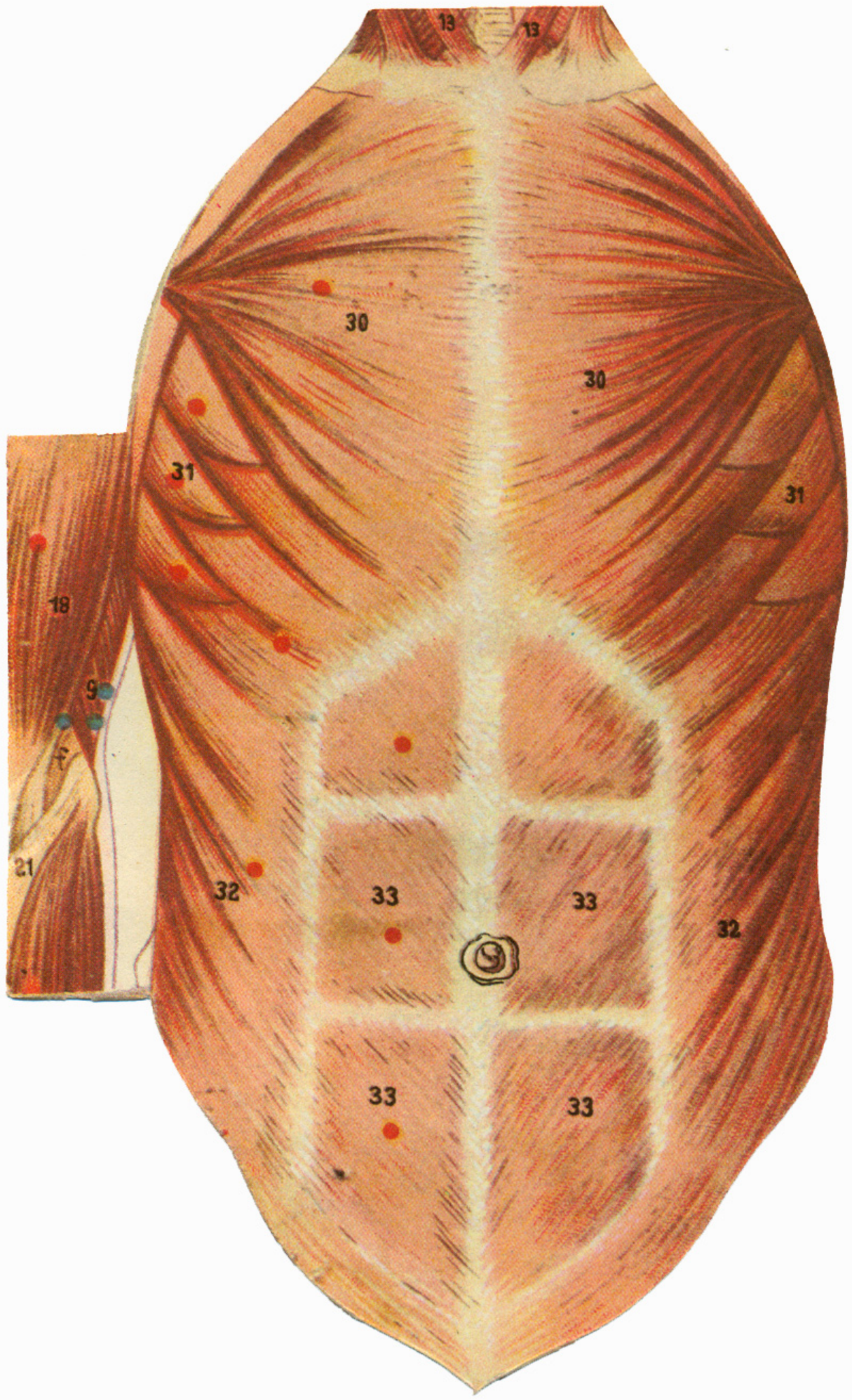

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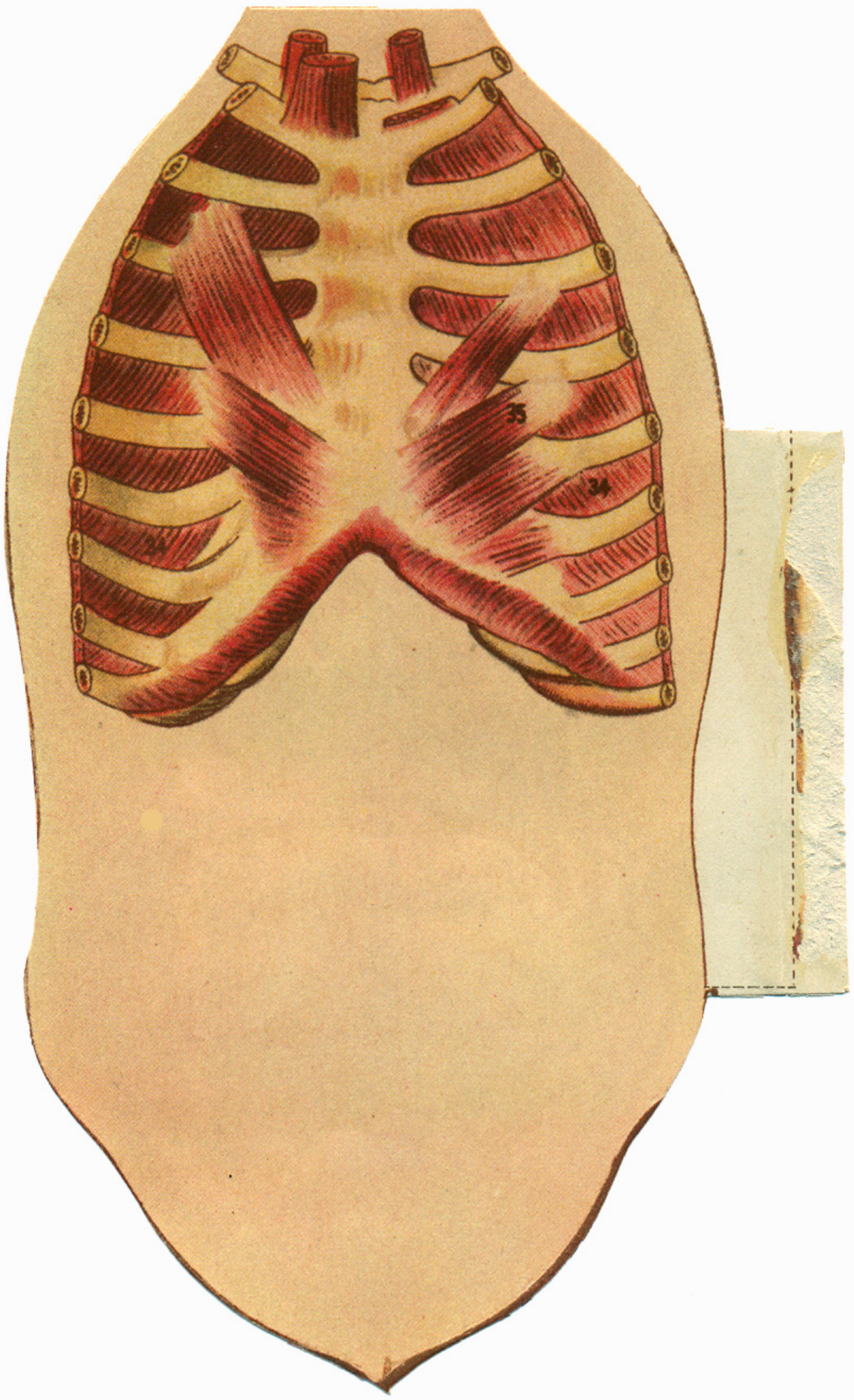
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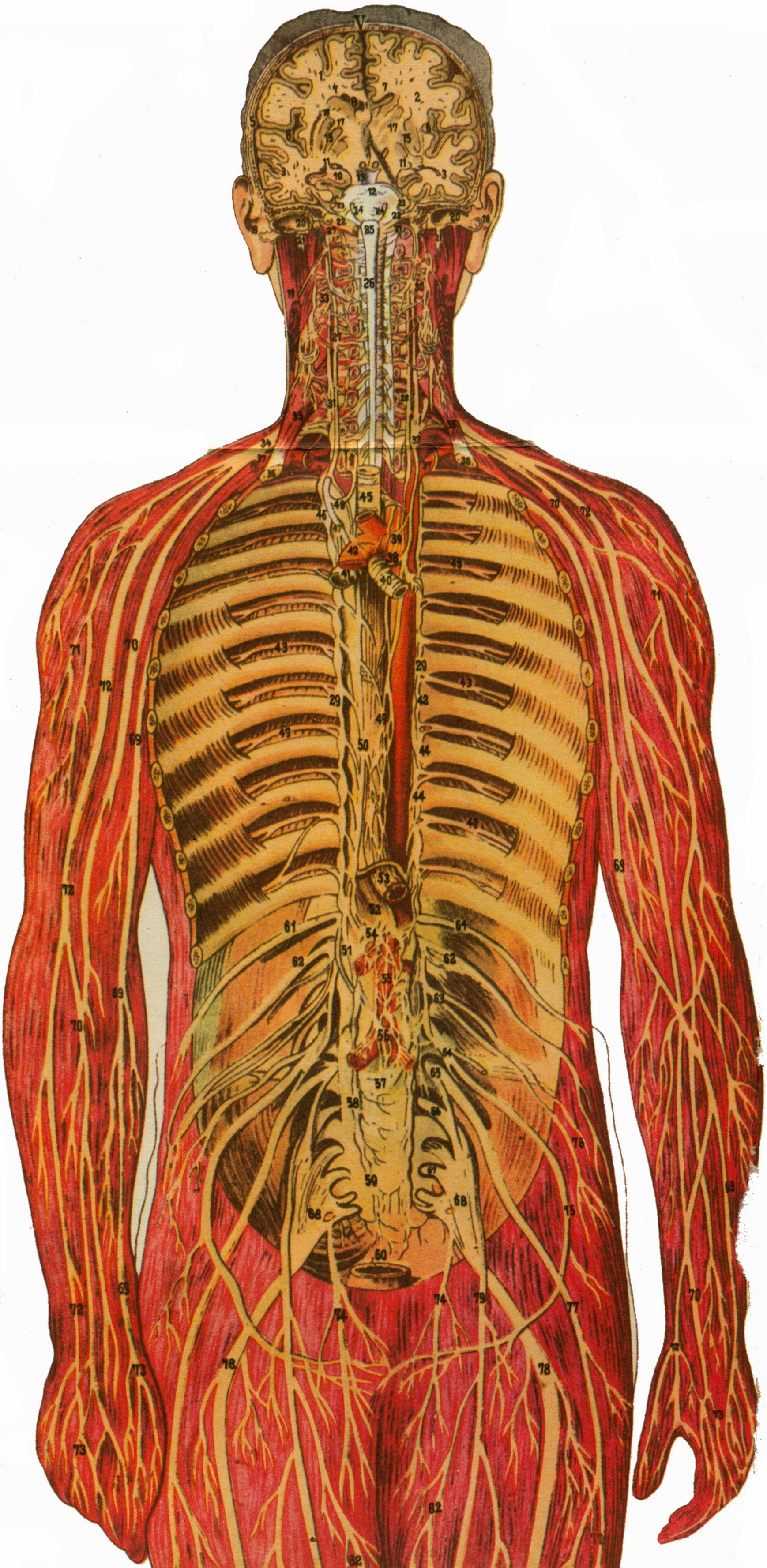

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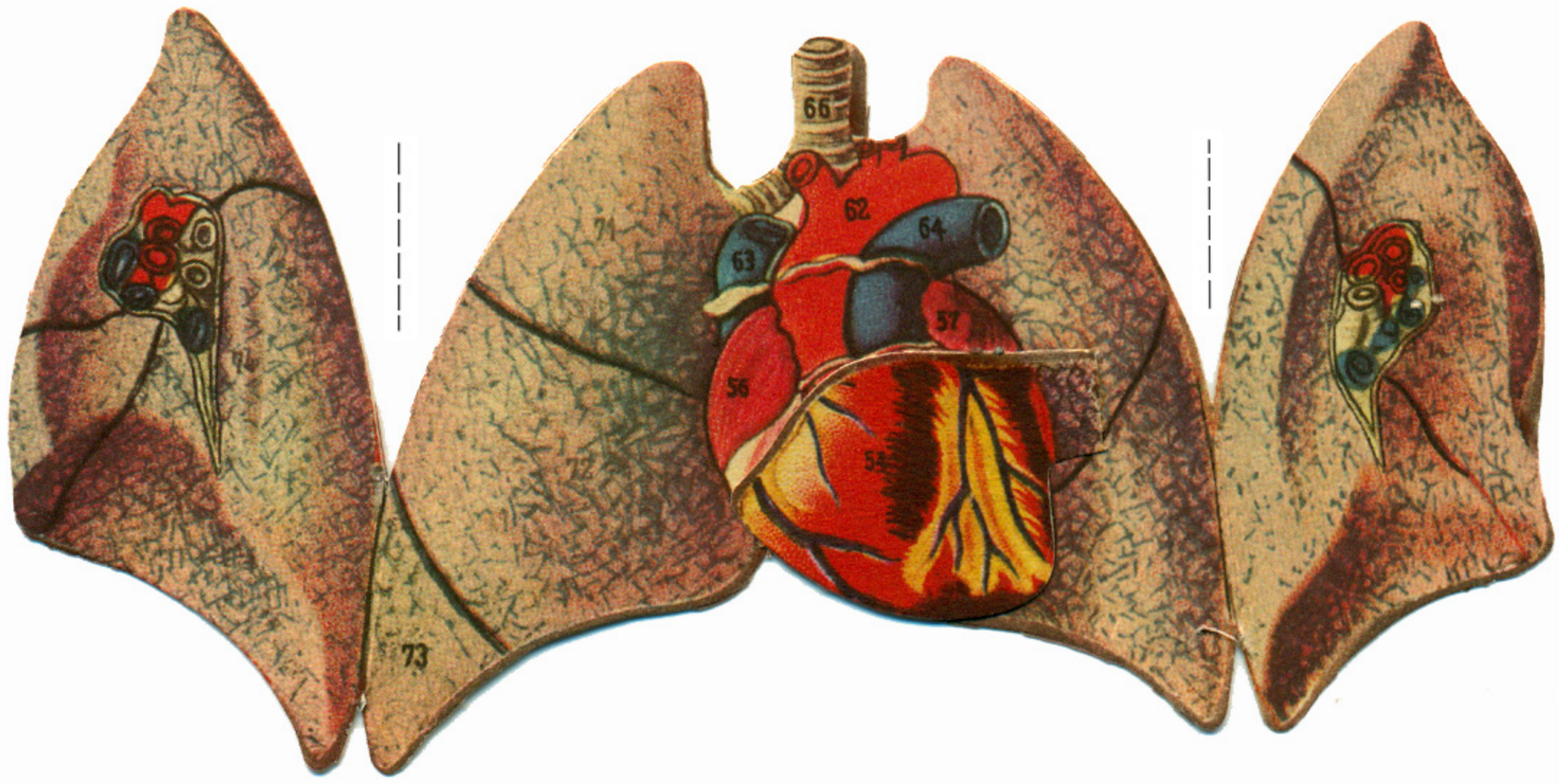

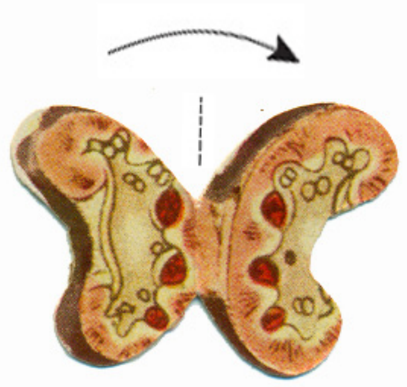

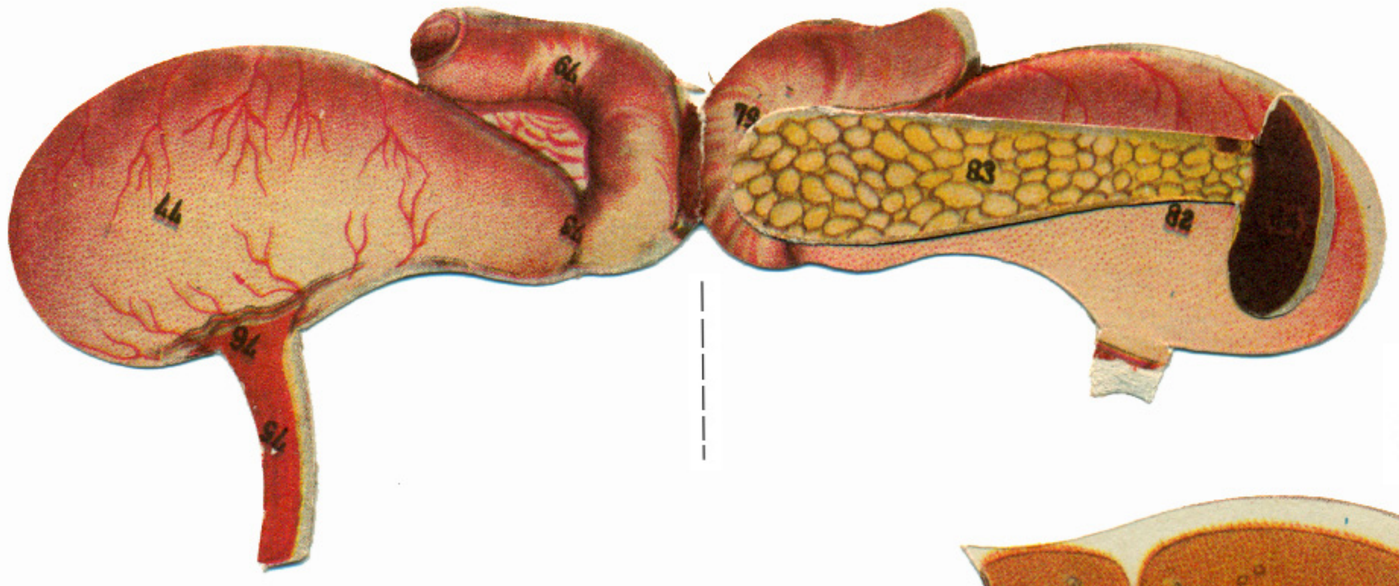

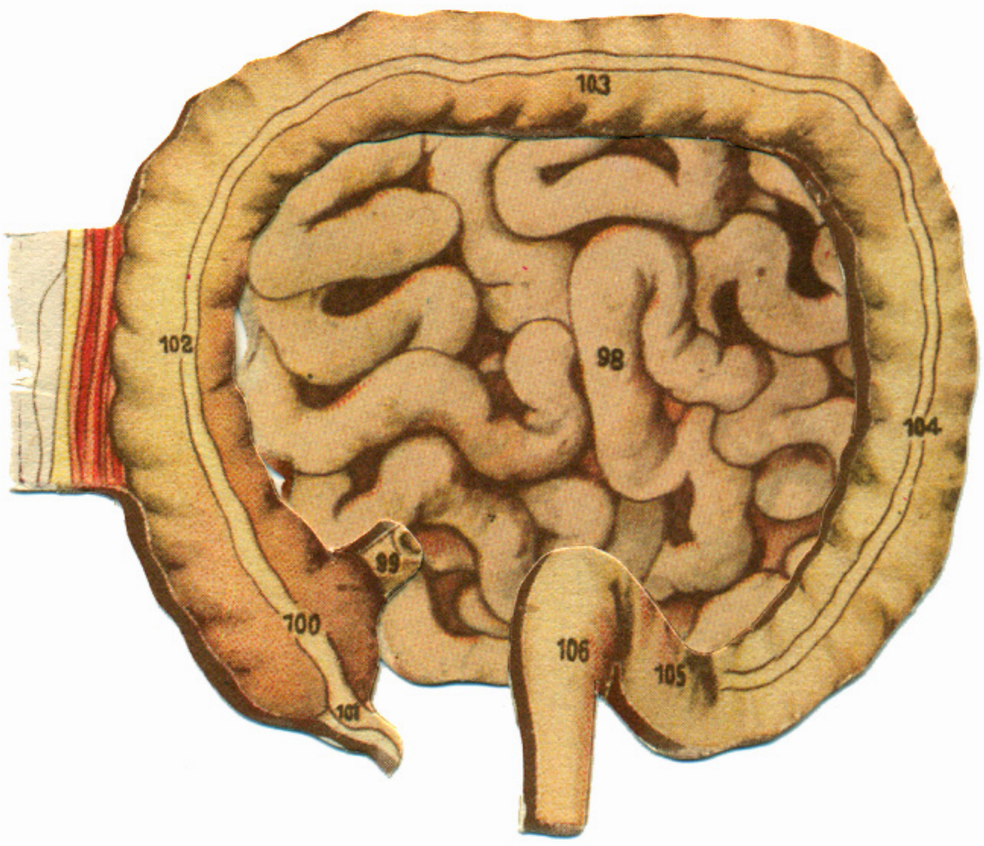

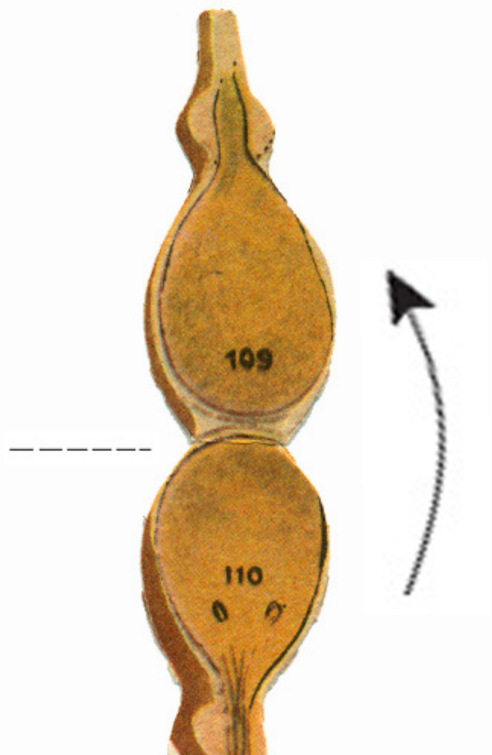

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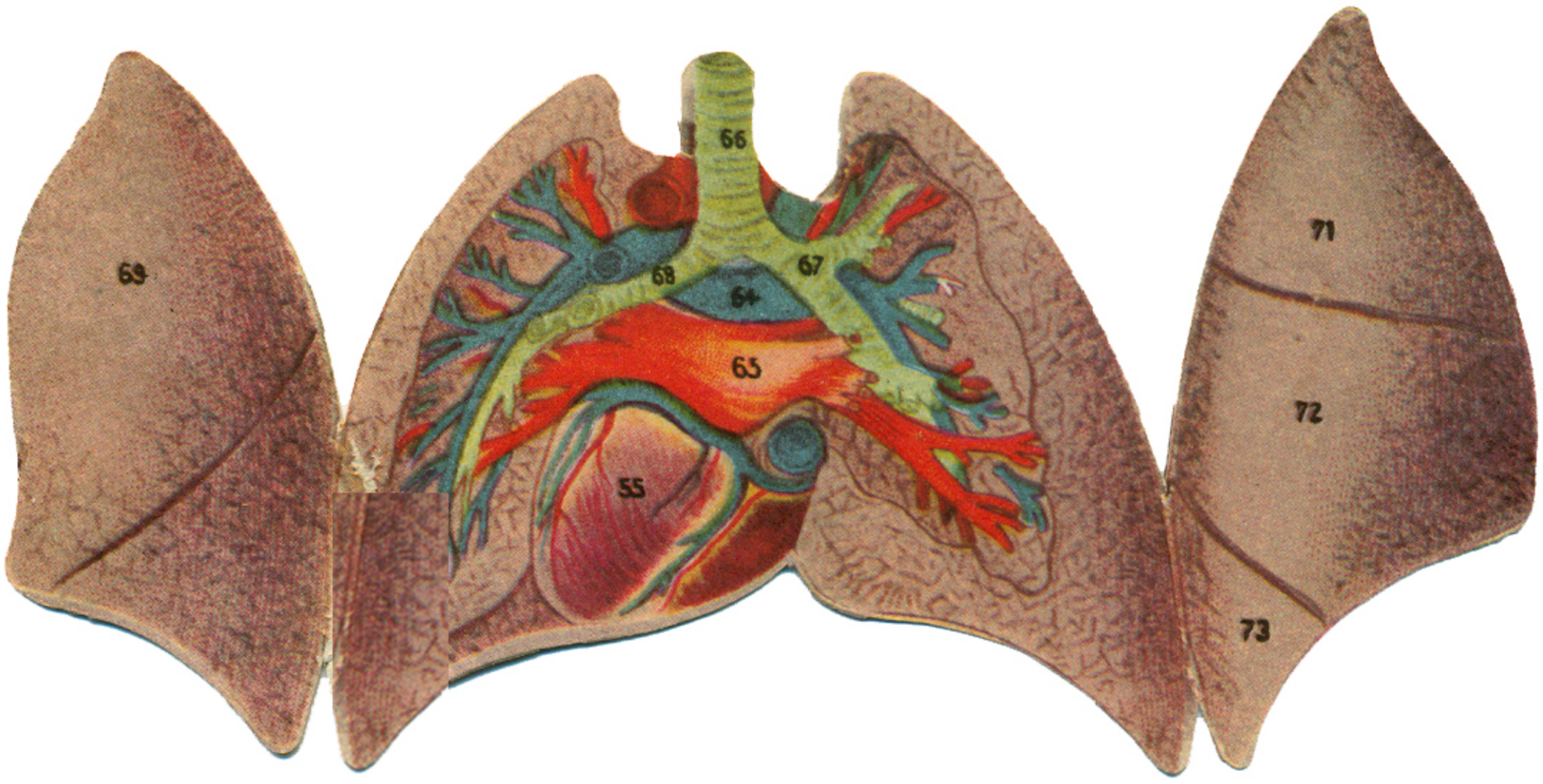
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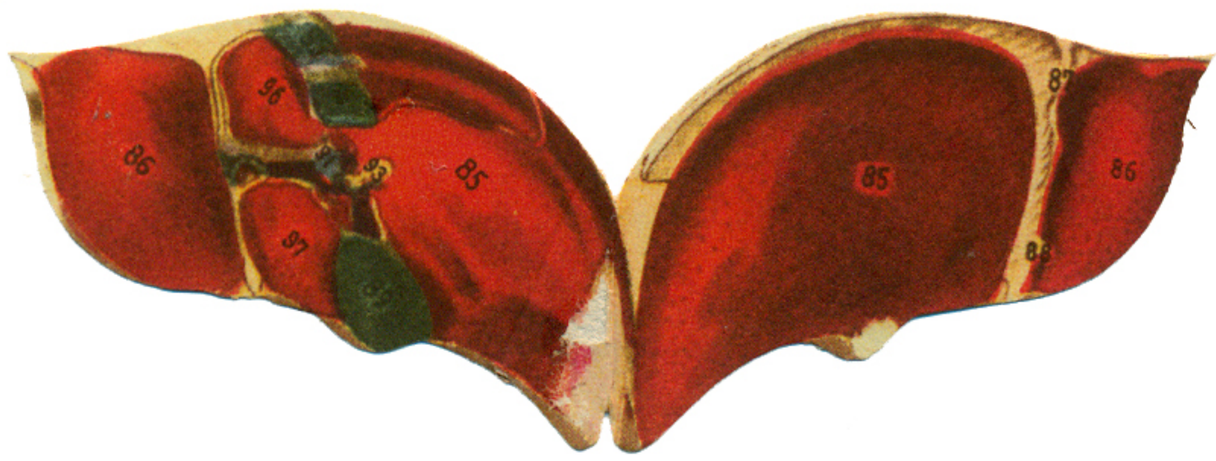
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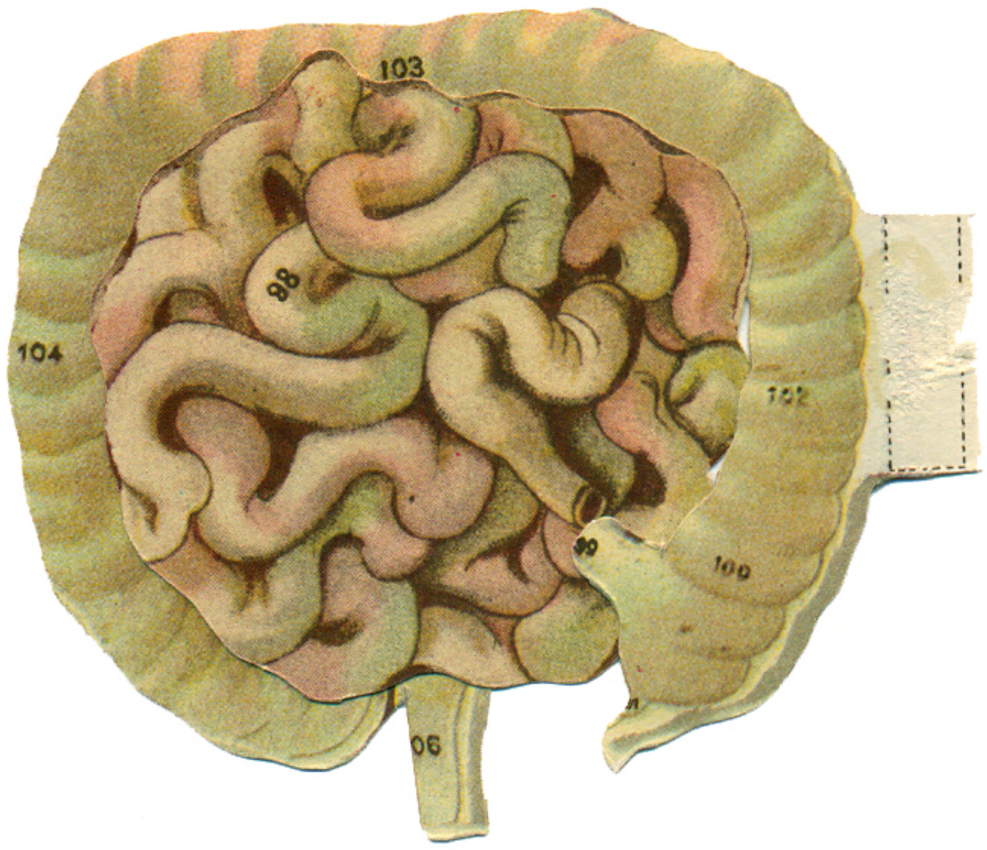
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STRUCTURE OF THE HUMAN BODY

MALE: ANATOMICAL SECTIONAL MODEL

I. EXTERNAL ASPECT

II. MUSCLES AND NERVES FROM THE BACK

1. Occipitalis muscle
2. Epicranial aponeurosis
3. Sterno-mastoid
4. Trapezius
5. Splenius
6. Deltoid
7. Long
8. Outer } head of triceps
9. Inner
10. Olecranon process of the ulna
11. Brachioradialis
12. Extensor carpi radialis longior
13. Extensor carpi radialis brevior
14. Extensor carpi ulnaris
15. Extensor communis digitorum
16. Extensor carpi radialis brevior
17. Extensor ossis metacarpi pollicis
19. Flexor carpi ulnaris
20. Teres major
21. Teres minor
22. Infraspinatus
23. Rhomboid
24. Latissimus dorsi
25. Lumbar fascia (with large group of erector spinae)
26. External oblique
27. Internal oblique
28. Gluteus maximus
29. Gluteus medius
30. Pyriformis
31. Ischial tuberosity
32. Quadratus femoris
33. External head of quadriceps (still covered with fascia)
34. Biceps
35. Semi-membranosus
37. Adductor magnus
38. Gracilis

The blue dots indicate the points of stimulation of the nerves

The red dots indicate the motor points of the muscles

A. Point of stimulation of radial nerve

B. Point of stimulation of sciatic nerve

Nerves on the right side of the body:

a. Great occipital nerve
b. Small occipital nerve
c, d. Posterior branches of cervical nerves
e. Posterior branches of dorsal nerves
f. Posterior supraclavicular nerve
g. Circumflex
h. Cutaneous branches of 2nd intercostal
i. Cutaneous nerves of upper arm
k. Cutaneous nerves of lower arm
l. Posterior lateral cutaneous branches of thoracic nerves
m. Cutaneous nerves of back (from lower dorsal nerves)
n. Posterior branches of lumbar nerves
o. Upper gluteal nerve
p. Great sciatic nerve
q. Pudic nerve
r. Posterior common nerve of thigh

III. MUSCLES FROM THE FRONT, VISCERA, ETC.

1. Frontalis
2. Orbicularis palpebrarum
3. Nasal muscle
4. Quadratus muscles, composed of three parts (levator labii superioris; alequae nasi; zygomaticus minor)
5. Zygomaticus major
6. Temporal muscle
7. Orbicularis oris
8. Risorus
9. Depressor anguli oris
10. Depressor labii inferioris
11. Levator anguli oris
12. Levator menti
13. Sterno-cleido-mastoid
14. Omohyoid
15. Sterno-hyoid
16. Trapezius
17. Deltoid
18. Biceps
19. Brachialis anticus
20. Brachioradialis
21. Pronator teres
22. Flexor carpi radialis
23. Palmaris longus
24. Muscles of thenar eminence
25. Extensor carpi radialis longior
26. Extensor carpi radialis brevior
27. Extensor ossis metacarpi pollicis
28. Extensor brevis pollicis
29. Tendon of extensor longus pollicis
30. Pectoralis major
31. Serratus magnus
32. External oblique
33. Rectus abdominis with tendinous intersections
34. Intercostal muscles
35. Triangularis sterni
36. Diaphragm
37. Iliacus
38. Psoas
39. Tensor fasciae femoris
40. Sartorius
41. Rectus femoris
42. Vastus externus
43. Vastus internus
45. Pectineus
46. Adductor longus
47. Gracilis

Motor points of muscles in red
Stimulation points of nerves in blue

a, b, c. Stimulation points of facial nerve
a. Stimulation points of the origin of this nerve
b. Stimulation points of the upper branch
c. Stimulation points of the lower branch
d. Stimulation points of the phrenic nerve
e. Stimulation points of the musculo-cutaneous nerve
f. Stimulation points of the median nerve
g. Stimulation points of the ulnar nerve
h. Stimulation points of the median nerve on the forearm
i. Stimulation points of the ulnar nerve on the forearm
k. Stimulation points of the femoral nerve

Internal Organs or Viscera

54. Right side of heart
55. Left side of heart
56. Right auricle with appendage
57. Left auricle with appendage
58. Papillary muscles with chordae tendinae
59. Bicuspid valve
60. One of the three semilunar valves
61. Interventricular septum
62. Aorta
63. Superior vena cava
64. Pulmonary artery
65. Pulmonary veins (carrying arterial blood to left side of heart)
66. Trachea
67. Right bronchus with divisions in lung
68. Left bronchus with divisions in lung
69. Left superior lobe of lung
70. Left inferior lobe of lung
71. Right superior lobe of lung
72. Right middle lobe of lung
73. Right inferior lobe of lung
74. Entrance and exit of pulmonary vessels and bronchi
75. Oesophagus
76. Cardiac orifice
77. Surface of stomach
78. Pyloric orifice
79. Duodenum
80. Mucous membrane of stomach
81. Mucous membrane of duodenum with valculae conniventes
82. Posterior surface of stomach
83. Pancreas
84. Spleen
85. Right lobe of liver
86. Left lobe of liver
87. Falciform ligament of liver
88. Round ligament of liver
89. Gall bladder
90. Section through liver
91. Cystic duct
92. Hepatic duct
93. Bile duct
93a. Right kidney
94. Portal vein
94a. Left kidney
95. Superior vena cava
69. Spigelian lobe
97. Quadrate lobe
98. Coils of small intestine
99. Entrance of small intestine into caecum
100 and 101. Caecum with appendix vermiformis
102. Ascending colon
103. Transverse colon
104. Descending colon
105. Sigmoid flexure of colon
106. Rectum
107. Bladder
108. Prostate gland
109. Mucous membrane of bladder
110. Ureteric orifices

IV. SKELETON FROM THE BACK

1. Parietal bone
2. Occipital bone
3. Sagittal suture
4. Lambdoid suture
5. Squamous suture
6. Occipital protuberance
7. Temporal bone
8. Mandible
9. Atlas or first cervical vertebra
10. Axis or second cervical vertebra
11. Seventh cervical vertebra, with prominent dorsal spine
12. First thoracic vertebra
13. Twelfth thoracic vertebra
14. First lumbar vertebra
15. Fifth lumbar vertebra
16. Transverse processes of vertebrae
17. Sacrum
18. Coccyx
19. Clavicle
20. Scapula
21 and 22. Spine of scapula
23. Humerus
24. Head of humerus
25. First rib
26. Second rib
27. Third rib
28. Fourth rib — True ribs
29. Fifth rib
30. Sixth rib
31. Seventh rib
32. Eighth rib
33. Ninth rib
34. Tenth rib — False ribs
35. Eleventh rib
36. Twelfth rib
37. Greater tuberosity of humerus
38. Ligaments and capsule of shoulder-joint
39. External condyle of humerus
40. Internal condyle of humerus
41. Head of radius
42. Olecranon process of ulna
43. Ligaments and capsule of elbow-joint
44. Radius
45. Ulna
46. Interosseus membrane
47. Head of ulna
48. Lower extremity of radius
49. Carpal bone
50. Ligaments of wrist-joint
51. Metacarpal bones
52. Phalanges
53. Ilium
54. Crest of ilium
55. Ischium
56. Pubis
57. Ligaments of pelvis
58. Femur
59. Head of femur
60. Neck of femur
61. Greater trochanter
62. Lesser trochanter
63. Capsule of hip-joint

V. NERVOUS SYSTEM

1. Frontal lobe
2. Parietal lobe
3. Temporal lobe
4. Intercerebral fissure separating hemispheres
5. Lateral fissure of brain
6. Island of Reil and its convolutions
7. Corpus callosum
8. Lateral ventricle
9. Third ventricle
10. Hippocampus (in inferior horn of lateral ventricle)
11. Optic tract
12. Pons varolii
13. Crus cerebri (the dark line represents a section through its base)
14. Caudate nucleus
15. Lenticular nucleus (consisting of three parts)
16. Claustrum
17. Internal capsule
18. External ear
19. Sterno-cleido-mastoid
20. External auditory meatus
21. Styloid process
22. Facial and auditory nerves
23. Trigeminal nerve
24. Abducens nerve
25. Medulla oblongata
26. Cervical spinal cord
27. Glosso-pharyngeal nerve
28. Left vagus
29. Sympathetic nerve
30. Superior cervical ganglion of sympathetic nerves
31. Middle cervical ganglion of sympathetic nerves
32. Inferior cervical ganglion of sympathetic nerves
33. Cervical plexus (from anterior branches of first four cervical nerves)
34. Brachial plexus
35. Scalenus anticus muscle
36. First rib (cut across)
37. Subclavian artery
38. Left recurrent laryngeal nerve
39. Cardiac plexus, derived from vagus and sympathetic nerves, supplies ascending aorta, arch of aorta, and pulmonary artery
40. Left bronchus
41. Right bronchus
42. Aorta
43. Intercostal nerve
44. Communicating branches between sympathetic and intercostal nerves
45. Trachea
46. Second thoracic ganglion of sympathetic
47. Right vagus
48. Right recurrent laryngeal nerve
49. Oesophageal plexus from vagus
50. Small splanchnic nerve
51. Great splanchnic nerve
52. Diaphragm
53. Lower end of oesophagus at entrance into stomach
54. Solar plexus of sympathetic
55. Aortic plexus of sympathetic
56. Inferior mesenteric plexus
57. Hypogastric plexus
58. Lumbar ganglion
59. Sacral ganglion
60. Rectum
61. Twelfth intercostal nerve
62. First lumbar nerve giving origin to ilio-hypogastric nerve
63. Second lumbar nerve
64. Third lumbar nerve
65. Fourth lumbar nerve
66. Fifth lumbar nerve
67. Sacral nerves
68. Sacral plexus
69. Ulnar nerve
70. Median nerve
71. Musculo-cutaneous branches
72. Radial nerve
73. Nerves of hand
74. Obturator nerve
75. Ilio-inguinal nerve
76. Ilio-hypogastric nerve
77. External cutaneous nerve
78. Sciatic nerve
79. Crural nerve