

Eben J Carey 1889–1947

Selection of papers & abstracts (Ab) on Histogenesis (H) and Muscle (M)

Preliminary report on the normal unequal growth and degeneration in the early ossification centers in the diaphyses of femora of the pig. Eben J. Carey. The Anatomical Record, Volume 11, Issue 6, January 1917, Pages: 339–341. **Ab**

Early stages in the development of the femur of the pig with reference to the influence of muscular activity upon its ossification. Eben J. Carey. The Anatomical Record, Volume 14, Issue 1, Date: January 1918, Page: 30. **Ab**

On the interaction of primary femoral ossification, thigh muscular differentiation, knee and hip-joint formation, during the period of rotation of the hind limb of the pig (*Sus scrofa*). Eben J. Carey. The Anatomical Record, Volume 16, Issue 3, Date: May 1919, Pages: 144–145. **Ab**

Differential growth forces as stimuli to intestinal histogenesis. Eben J. Carey. The Anatomical Record, Volume 18, Issue 3, Date: April 1920, Pages: 224–225. **Ab**

Studies in the dynamics of histogenesis: I. Tension of differential growth as a stimulus to myogenesis. Eben J. Carey. Journal of General Physiology, 1920 2: 357-372. **HI**

Studies in the dynamics of histogenesis: II. Tension of differential growth as a stimulus to myogenesis in the esophagus. Eben J. Carey. Journal of General Physiology, 1920 3: 61-83. **HII**

Studies in the dynamics of histogenesis. Growth motive force as a dynamic stimulus to the genesis of muscular and skeletal tissues. Eben J. Carey. The Anatomical Record, Volume 19, Issue 4, Date: September 1920, Pages: 199-235. **?HIII**

Studies in the dynamics of histogenesis. IV. Tension of differential growth as a stimulus to myogenesis in the limb. V. Compression between the accelerated growth centers of the segmental skeleton as a stimulus to joint formation. VI. Resistances to skeletal growth as stimuli to chondrogenesis and osteogenesis. Eben J. Carey. American Journal of Anatomy, Volume 29 1921 Issue 1, Pages 93-115. **HIV, HV, HVI**

Studies in the dynamics of histogenesis. Tension of differential growth as a stimulus to myogenesis. VII. The experimental transformation of the smooth bladder muscle of the dog, histologically into cross-striated muscle and physiologically into an organ manifesting rhythmicality. Eben J. Carey. American Journal of Anatomy, Volume 29, 1921 Issue 3 pp. 341-377. **HVII**

Studies on the structure and function of the small intestine. Eben J. Carey. The Anatomical Record, Volume 21, Issue 2, Date: May 1921, Pages: 189-216.

Direct observations on the transformation of the mesenchyme in the thigh of the pig embryo (*Sus scrofa*), with especial reference to the genesis of the thigh muscles, of the knee- and hip-joints, and of the primary bone of the femur. Eben J. Carey. Journal of Morphology, Volume 37, 1922 Issue 1 pp. 1-77. **?HVIII**

Studies on the dynamics of histogenesis. Adequate intermittent traction and contraction (work) of differential periodic growth as a stimulus to myogenesis. IX. Further observations on the experimentally transformed smooth bladder muscle into cross-striated muscle. X. Further observations on the rhythmicality of the transformed bladder. Eben J. Carey. American Journal of Anatomy, Volume 32, 1923 Issue 4 pp. 475-491. **HIX, HX**

Studies in the dynamics of histogenesis. Intermittent traction and contraction of differential growth, as a stimulus to myogenesis. XI. The dynamics of the pectoralis major tendon. Eben J. Carey. The Anatomical Record, Volume 24, Issue 3, Date: October 1922, Pages: 88-96. **HXI**

Studies in the dynamics of histogenesis. XII. The regeneration of the patellae of dogs Eben J. Carey, Walter Zeit, Bernard F. McGrath. American Journal of Anatomy, Volume 40, 1927 Issue 1 pp 127-158. **HXII**

The early postnatal development of the patella of the dog (*Canis familiaris*). Eben J. Carey, Walter Zeit. The Anatomical Record, Volume 36, Issue 1, Date: July 1927, Pages: 51-67.

The anatomy, physiology, and anomalies of the spine. Eben J. Carey. Radiology, Volume 9, Issue 3, Date: September 1927, pp.219-234.

Studies in the dynamics of histogenesis. XIII. The clinical application of the dynamics of histogenesis, regarding the origin, growth, and structural maintenance of patellar bone, knee joint, and related thigh muscles mobilization and the traction trabeculae and pressure pillars of human patellae. Eben J. Carey. Radiology, Volume 10, 1928, pp. 234-251. **HXIII**

Studies in the dynamics of histogenesis. XIV. (A) Experimental surgical and roentgenographic studies of the architecture of human cancellous bone, the resultant of the back-pressure vectors of muscle action. (B) The remittent back-pressure vectors of muscle action in joint range of mobilization determine the mature patterns of cancellous bone, not the immobile static pressure of body weight. (C) The clinical significance of this study. Eben J. Carey. Radiology, Volume 13, 1929, pp. 127-168. **HXIV**

The normal and abnormal origin, growth and repair of bone. Eben J. Carey. Wisconsin Medical Journal Date: June 1929, pp. 254-258.

Scoliosis – Etiology, pathogenesis and prevention of experimental rotary lateral curvature of the spine. Eben J. Carey. Journal of the American Medical Association, Volume 98, Issue 2, 1932, pp. 104-110.

Scoliosis – Etiology, pathogenesis and prevention of experimental rotary lateral curvature of the spine. Eben J. Carey. Physiotherapy Review, Volume 12, 1932, pp. 290-295.

Studies in the dynamics of histogenesis. XV. Experimental molecular pressure wave-mechanics of stretched cross-striated muscle und tendon. Eben J. Carey. The Anatomical Record, Volume 61, Issue 4, Date: March 1935, Page 9. **Ab – HXV**

Studies in the dynamics of histogenesis. XVI. The pressure wave- mechanics of the transitional type of musculature in the gizzard of the wild mallard (*Anas platyrhynchos boschas*). Eben J. Carey. The Anatomical Record, Volume 64, Issue 4, Date: March 1936, Page 8. **Ab – HXVI**

Studies in the wave-mechanics of muscle. I. Vibratory motor nerve ending and related radiation patterns of muscular cross striations. Eben J. Carey. American Journal of Anatomy, Volume 58, 1936 Issue 2 pp 259-311. **MI**

Studies in the wave-mechanics of muscle form and function II. The experimental biophysics of the external form and internal structure of cross-striated muscle and tendon. Eben J. Carey. American Journal of Anatomy, Volume 59, 1936 Issue 2 pp 175-199. **MII**

Studies in the wave-mechanics of muscle: III. Anastomotic fibers, central nuclei and intercalated discs in the cross-striated skeletal muscles of the guinea pig (*Cavia cobaya*). Eben J. Carey. The Anatomical Record, Volume 64, Issue 3, Date: 25 February 1936, Pages: 327-341. **MIII**

Studies in the wave-mechanics of muscle form and function. IV. Striated muscle and tendon are in biophysical continuity as the vibrating and non-vibrating parts, respectively, of the same stretched structure of protoplasm. muscle and tendon are continuous by either a sharp or a gradual transition. Anatomic dampers of protoplasmic lateral expansion are related to tendon. V. The experimental biophysics of the replacement of muscle by fibrous tissue, cartilage or bone by the dampening of the movement of the lateral expansion of muscle by aluminum rings. Eben J. Carey. American Journal of Anatomy, Volume 59, 1936 Issue 1 pp 89-121. **MIV, MV**

Studies in the wave mechanics of muscle: VI. The areas of Cohnheim are transverse sections of the cross striations of the striated muscle fiber. Eben J. Carey, Walter Zeit. The Anatomical Record, Volume 64, Issue 3, Date: 25 February 1936, Pages: 343-355. **MVI**

Studies in the wave-mechanics of muscular motion. VII. The experimental biophysical basis of the transitional muscle in the gizzards of birds. Eben J. Carey. American Journal of Anatomy, Volume 59, 1936 Issue 3 pp 365-407. **MVII**

Studies in the dynamics of histogenesis XVII. Biophysical experiments on the hydro-capillary wave mechanics of gradient internal protoplasmic colloidal compression during ameboid, muscular motions and nervous impulse conductions. Eben J. Carey. The Anatomical Record, Volume 67, Issue 4, Date: March 1937, Pages 10-11. **HXVII**

Studies in the wave-mechanics of protoplasmic motion. X. Experiments on the pneumo-muscular system of aerial insects. The biophysical basis of compression and decompression during internal respiration of the hitherto unknown functional intracellular aerial canalicular apparatus within the interior of each cross-striated muscular fiber of air-breathing insects. Eben J. Carey. American Journal of Anatomy, Volume 61, 1937 Issue 2 pp 159-201. **MX**

Wave-mechanics of protoplasmic motion. XI. Experimental histology of nerve fibers. Eben J. Carey. Archives of Pathology, Volume 24 1937, pp 325-343. **MXI**

Wave-mechanics of protoplasmic motion. XII. Experimental acute traumatic syringomyelia. Eben J. Carey. Archives of Pathology, Volume 24 1937, pp 419-429. **MXII**

Thermal and capillary effects on the quantitative variability and orientation of muscle cross striae. Eben J. Carey. The Anatomical Record, Volume 73, 1939, Issue 3 pp. 10-11. ?**MXIII**

I. Microscopic preparations and photomicrographs of contraction compression waves in smooth, transitional and striated muscle. Eben J. Carey. II. Distribution of mineral ash in contraction compression waves in smooth, transitional and striated muscle. Eben .T. Carey and Walter Zeit. The Anatomical Record, Volume 73, 1939, Issue 3 p. 62. ?**MXIV**

Wave-mechanics of smooth muscle action. XV. Experimental multiple reflections between intestinal ligatures transform traveling into stationary micropressure waves in smooth muscle. Eben J. Carey. Archives of Pathology, Volume 29 1940, pp 321-344. **MXV**