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Response of the Anemia in Experimental Hypothyroidism to Liver Therapy.*

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Rabbits with thyroids removed approximately 3 weeks after birth develop an anemia which simulates clinical pernicious anemia in that the hemoglobin per cell count is relatively higher than in the normal adult. The R.B.C. are also larger than the normal adult R.B.C. Metamyelocytes and poikilocytoses are present. Feeding liver extract (Lilly) to these rabbits increases the R.B.C. and brings the hemoglobin cell ratio back to normal.

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Further Studies in Obstructive Pulmonary Atelectasis.*

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In some recent investigative work,¹ two factors were found essential in the experimental production of massive atelectasis of the lung in dogs, *viz.*, A straining type of respiration, and secondly, some form of obstruction to the bronchus of the lung lobe; either total or valvular. In this work an artificial means of obstruction was used, this obstruction being located in the primary bronchus of the lung lobe.

Either total or valvular obstruction, in the presence of a staining type of respiration, was followed by a massive atelectatic condition of the obstructed lung. If a quiet, normal type of respiration was exhibited, no resultant atelectasis was observed. An example was given of complete obstruction of a secondary bronchus, of 6 weeks' duration, with quiet respiration in which no atelectasis occurred.

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¹ Adams, W. E., and Van Allen, C. M., *Surg. Gyn. and Obstet.*, 1930, 1, 385.