

1. Record Nr.	UNINA9910787941903321
Autore	Mosso A (Angelo), <1846-1910, >
Titolo	Angelo Mosso's circulation of blood in the human brain // edited, with commentary, by Marcus E. Raichle, Gordon M. Shepherd ; translation by Christiane Nockels Fabbri
Pubbl/distr/stampa	New York, New York : , : Oxford University Press, , 2014 ©2014
ISBN	0-19-935900-8 0-19-937455-4 0-19-935899-0
Descrizione fisica	1 online resource (241 p.)
Disciplina	612.824
Soggetti	Cerebral circulation - Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Machine generated contents note: -- Introduction Brief Biography of Angelo Mosso and His Times Commentary: From Mosso to Modern Brain Imaging Note on the Translation Critical Historical Introduction Translation: The Circulation of the Blood in the Human Brain 1. Notes concerning the disease states of the three subjects in whom the conditions of the cerebral circulation were studied 2. Description of the apparatus used to record the pulse of the brain and of other parts of the body 3 General information concerning the form of the pulse 4. Concerning the response of the cerebral circulation during enhanced mental activity and during emotional and sensory impressions Sleep and its relationship to the cerebral circulation 1. Observations on Catherina X 2. Observations on Thron during sleep 3. Observations on Caudana during sleep 4. Observations on Bertino during sleep 5. Chloral hydrate induced sleep6. Considerations about the nature of sleep and its concomitant manifestations 7. Concerning the variations of the cerebral tracings, which depended on the motions of the vessels and of the heart 8. Concerning the movements of the blood vessels in the external ear of the rabbit L 9. The influence of breathing on the circulation of the blood in the brain and in the lungs 10. Experimental critique of the investigations on the pulmonary circulation undertaken

11. The influence of breathing on the systemic (general) circulation 12. The influence of amyl nitrite on the blood circulation in the brain 13. . Anemia and hyperemia of the brain 14. Concerning the circulation of the blood within the intact skull 15. Investigations concerning the movements of the cerebrospinal fluid.

Sommario/riassunto

The pioneer in studies of changes in brain flow that underlie modern brain imaging was Angelo Mosso. This volume provides an English translation of his historic 1881 volume, together with a rich commentary by two leaders of modern brain imaging, Marcus Raichle and Gordon M. Shepherd. The text offers unique insights into the origins of brain imaging and also the rise of modern cognitive neuroscience.
