PHILOSOPHY

THE FIRST SCIENTIFIC PAPER EVER PUBLISHED

29.09.2020

<u>The first scientific paper</u> (as far as we know) can be retrieved from the excellent website of the Royal Society "Tryals proposed by Mr. Boyle to Dr. Lower, to be made by him, for the improvement of transfusing blood out of one live animal into another".

This seems basically the same what Corona researchers are trying today with <u>convalescent serum</u> (although this may be dangerous due to rogue <u>auto-antibodies against type I IFNs</u> that may be transfused as well).

(385)

Numb. 22.

PHILOSOPHICAL TRANSACTIONS.

Monday, February 11. 1666.

The Contents.

Trials proposed to be made for the Improvement of the Experiment of Transfusing Blood out of one live Animal into another. A Method for Observing the Eclipses of the Moon, free from the Common Inconveniences. An Account of some Celestial Observations lately made at Madrid. Extract of a Letter, lately written to the Publisher, containing some Observations about Insects and their Inoxiousness, &c. An Account of some Books, vid.

I. TOME TROISIEME DES LETTRES DE M. DESCARTES. II. ASTRONOMIA REFORMATA P. RICCIOLI, III. ANATOME MEDULLE SPINALIS ET NERVORUM, inde provenientum, GERARDI BLASII, M.D. An Advertisement about the re-printing of M. Evelyns Sylva and Pomona. A Table of the Transactions, printed these two years.

Tryals proposed by Mr. Boyle to Dr. Lower, to be made by him, furthe improvement of Transsusing Eloodout of one live Animalinto another; promised Numb. 20. p. 357.

The following Quaries and Tryals were written long fince, and read about a Moneth ago in the R Society, and do now come forth against the Authors int ntion, at the earnest desire of some

https://royalsocietypublishing.org/doi/pdf/10.1098/rstl.1665.0147

Science is about asking questions...

The Quæries themselves follow.

I. Whether by this way of Transfusing Blood, the disposition of Individual Animals of the same kind, may not be much altered ? (As whether a fierce Dog, by being often quite new stocked with the blood of a cowardly Dog, may not become more tame; vice ver(a, oc?

2. Whether immediately upon the unbinding of a Dog, replenisht with adventitions blood, he will know and fawn upon his Mafter; and do the like customary things as before ? And whether he will do fuch things better or worfe at fome time after the

Operation?

3. Whether those Dogs, that have Peculiarities, will have them either abolisht, or at least much impaired by transfusion of blood? (As whether the blood of a Mastiff, being frequently transfused into a Blood-hound, or a Spaniel, will not prejudice them

in point of scent?)

4. Whether acquired Habits will be deftroy'd or impair'd by this Experiment? (As whether a Dog, taught to fetch and carry, or to dive after Ducks, or to fett, will after frequent and full recruits of the blood of Dogs unfit for those Exercises, be as good at them, as before?)

5. Whether any confiderable change is to be observed in the Pulse, Urin, and other Excrements of the Recipient Animal, by this Operation, or the quantity of his intenfible Transpiration

6. Whether the Emittent Dog, being full fed at fuch a diftance of time before the Operation, that the mass of blood may be supposed to abound with Chyle, the Recipient Dog, being before hungry, will lose his appetite, more than if the Emittent Dogs blood had not been fo chylous? And how long, upon a

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