

**EXPERIMENTAL RESEARCHES ON THE  
INFLUENCE EXERCISED BY ATMOSPHERIC  
PRESSURE UPON THE PROGRESSION OF THE  
BLOOD  
IN THE VEINS, UPON THAT FUNCTION CALLED  
ABSORPTION, AND UPON THE PREVENTION  
AND CURE OF THE SYMPTOMS CAUSED**

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Experimental Researches on the Influence Exercised by Atmospheric Pressure upon the Progression of the Blood in the Veins, upon That Function Called Absorption, and upon the Prevention and Cure of the Symptoms Caused by David Barry

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**DAVID BARRY**

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**EXPERIMENTAL RESEARCHES**  
**ON THE INFLUENCE OF**  
**ATMOSPHERIC PRESSURE**  
**UPON THE**  
**BLOOD IN THE VEINS,**  
*&c. &c. &c.*

S. H. 1826.

EXPERIMENTAL RESEARCHES  
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ATMOSPHERIC PRESSURE  
UPON THE  
PROGRESSION OF THE BLOOD IN THE VEINS,  
UPON THAT FENOMENON CALLED  
ABSORPTION,  
AND UPON  
THE PREVENTION AND CURE OF THE SYMPTOMS CAUSED BY THE BITES  
OF  
RABID OR VENOMOUS ANIMALS.

(DEDICATED BY PERMISSION TO HIS MAJESTY.)

WITH

AN APPENDIX,

CONTAINING

THE ORIGINAL REPORTS OF BARON CUVIÈRE AND OF PROFESSORS DUMERIL  
AND LAENNEC, TO THE ROYAL INSTITUTE OF FRANCE, AND TO THE  
ROYAL ACADEMY OF MEDICINE OF PARIS, &c. &c.

BY

DAVID BARRY, M.D.

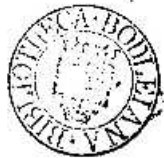
KNIGHT OF THE ORDER OF THE TOWER AND SWORD, MEMBER OF THE ROYAL COLLEGE OF  
PHYSICIANS IN LONDON, FIRST SURGEON TO THE PORTUGUESE ARMY,  
SURGEON TO THE FORCES, &c. &c.

"Habemus etiam et vivaria pro bestis et arboribus omnigenis.—  
Experimentum etiam seminus super illas venenosum omnium  
et antidotorum—Ut corpori humano melius caveamus."  
BACON. *Nova Atlantia.*

LONDON:  
PRINTED FOR THOMAS AND GEORGE UNDERWOOD,  
33, FLEET-STREET.

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327.



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## DEDICATION.

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TO THE KING'S MOST EXCELLENT MAJESTY.

SIRE,

If to the proud consciousness of being one of that people which your Majesty's wisdom has rendered so pre-eminent in Arts, in Arms, and in Commerce; the work now humbly offered to your Most Gracious Majesty's protection, shall entitle its author to add that of having diminished the amount of human evils by increasing the stock of human knowledge, the highest ambition will be gratified, and the utmost labour rewarded of,

Sire,

Your Majesty's

Most humble Servant,

And dutiful-Subject,

**DAVID BARRY,**

*Surgeon to Your Majesty's Forces.*

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and government operations. The text notes that such records should be accessible to the public and should be maintained in a secure and organized manner.

2. The second part of the document addresses the issue of data privacy and security. It highlights the need for robust security measures to protect sensitive information from unauthorized access, disclosure, or loss. The text suggests that organizations should implement comprehensive security protocols, including encryption, access controls, and regular security audits, to ensure the integrity and confidentiality of their data.

3. The third part of the document focuses on the importance of regular communication and reporting. It states that clear and consistent communication is vital for ensuring that all stakeholders are informed and aligned with the organization's goals and objectives. The text recommends that organizations should establish regular reporting mechanisms and maintain open lines of communication with their employees, customers, and the public.

4. The fourth part of the document discusses the role of technology in modern organizations. It notes that the adoption of advanced technologies, such as artificial intelligence, machine learning, and cloud computing, can significantly enhance operational efficiency and productivity. However, the text also cautions that organizations should carefully evaluate the risks and benefits of these technologies and ensure that they are implemented in a responsible and ethical manner.

5. The fifth part of the document addresses the issue of employee training and development. It emphasizes that investing in the continuous learning and growth of employees is crucial for maintaining a competitive edge in a rapidly changing market. The text suggests that organizations should provide comprehensive training programs, including technical skills training, leadership development, and cross-functional training, to ensure that their workforce is well-equipped to handle the challenges of the future.

6. The sixth part of the document discusses the importance of maintaining a strong corporate culture. It states that a positive and inclusive corporate culture can foster employee loyalty, productivity, and innovation. The text recommends that organizations should clearly define their core values and mission statement, and ensure that these values are reflected in all aspects of their operations and decision-making processes.

7. The seventh part of the document addresses the issue of environmental sustainability. It notes that organizations have a responsibility to minimize their environmental footprint and promote sustainable practices. The text suggests that organizations should implement energy-efficient practices, reduce waste, and support environmental conservation efforts to ensure a sustainable future for all.

8. The eighth part of the document discusses the importance of maintaining accurate financial records. It emphasizes that proper financial record-keeping is essential for ensuring the financial health and stability of an organization. The text recommends that organizations should maintain accurate and up-to-date financial statements, including income statements, balance sheets, and cash flow statements, and should regularly review these statements to identify areas for improvement.

9. The ninth part of the document addresses the issue of risk management. It states that identifying and managing risks is a critical component of any organization's strategic planning process. The text suggests that organizations should conduct regular risk assessments, identify potential risks, and develop effective risk mitigation strategies to minimize the impact of these risks on the organization's operations and reputation.

10. The tenth part of the document discusses the importance of maintaining accurate legal records. It emphasizes that proper legal record-keeping is essential for ensuring compliance with applicable laws and regulations. The text recommends that organizations should maintain accurate records of all legal transactions, contracts, and disputes, and should consult with legal counsel to ensure that they are fully compliant with all relevant legal requirements.