33.The story of Sodium and Potassium

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**Introduction**

When the skin sustains an injury caused due to heat, electricity, or by contacting harmful chemical, the result is called burn (Saladin, 2018). Fires, kitchen spills, and hot waters are known to be primary causes of burn injuries sustained domestically.

**Discussion**

The extent of the damage of the burn is measured by three scales. First-degree, second-degree, and third-degree burn. In all three cases, the skin cells die because of the loss of oxygen and interrupted blood supply. Although all level of burns are dangerous, first and second-degree burns differ from third-degree burn in a way that third-degree burn includes all three layers of skin- dermis, epidermis, and hypodermis (Saladin, 2018).

**Conclusion**

While burn injuries are difficult to endure, they demand equal care and look after. Proteins are required by the skin to regrow (Saladin, 2018). Fluid replacement is also mandatory after severe burn injuries to restore the fluid levels of the body.

**Introduction**

 The integumentary system is made up of the skin, acting with other organs, to protect the human body against outside damages. Skin, nails, hair, and gland are major components of this system (Saladin, 2018).

**Discussion**

The importance of the integumentary system is undeniable. To understand its importance, it is essential to learn the functions of the system. It protects the body from excessive water loss, provides tissue protection, discharges wasteful remains, maintains optimum body temperature.

The skin is the biggest sense organ of the body (Saladin, 2018). Vitamin D, which is required by the bones, is synthesized in the skin.

**Conclusion**

Although the number of most injuries sustained by the body is linked to skin, it is also notable that the skin has the most impressive recovery rate. However, one must make sure to protect the skin from outer agents acting against it. Ultraviolet radiations from the sun can have detrimental consequences on the health of the skin.

**References**

Saladin, S.K. (2018) *Anatomy & Physiology: The Unity of Form and Function 8th Edition*