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## Abbreviations

| Abbreviation | Meaning                             |
|--------------|-------------------------------------|
| ES           | Electrical stimulation              |
| PPS          | Pulse per second                    |
| wk           | week                                |
| min          | minute                              |
| V            | Volt                                |
| UV           | Ultraviolet                         |
| HIF          | Hypoxia inducible factor            |
| mm           | millimeter                          |
| MSH          | Melanocyte stimulating hormone      |
| ACTH         | Adrenocorticotrophic hormone        |
| IL           | Interleukin                         |
| TNF          | Tumor necrosis factor               |
| TGF          | Transforming growth factor          |
| PF4          | Platelet factor 4                   |
| EGF          | Epidermal growth factor             |
| KGF          | Keratinocyte growth factor          |
| PDGF         | Platelet derived growth factor      |
| ATP          | Adenosine triphosphate              |
| ROS          | Reactive oxygen species             |
| HPOT         | Hyperbaric oxygen therapy           |
| MMPs         | Matrix metalloproteases             |
| ECM          | Extracellular matrix                |
| EPS          | Extracellular polysaccharide matrix |

|      |                                |
|------|--------------------------------|
| PMNs | Polymorphonuclear neutrophils  |
| DHEA | Dehydroepiandrosterone         |
| HPA  | Hypothalamic pituitary adrenal |
| SNS  | Sympathetic nervous system     |
| GCs  | Glucocorticoids                |
| Th1  | Types of cytokines             |
| DFUs | Diabetic foot ulcer            |



This book entitled “Electrical Stimulation in Wound Healing” consists of 4 chapters, 6 tables and 16 figures, which talks about what is the epithelial wound healing and how it can be measured and treated by the use of different types of electrical stimulation currents and what is the proposed mechanism of action of electrical stimulation. The book also gives clear evidence about the effect of these types of currents and gives the readers the parameters needed to achieve such an effect. This book can be very important for physical therapist, physical therapist assistant, nurse, and all allied health professionals who are working in the field of burn and general surgery.



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