

DAWN OF REGENERATION

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The extracellular matrix (ECM) is a complex network of proteins and carbohydrates that provides structural support and signaling cues to cells in tissues. We present a case of wound coverage using engineered ECM - Myriad Matrix™ for soft tissue repair. The patient is a 35 years old male with open fracture right midshaft tibia and distal 1/3 fibula with exposed tibial bone. Within one month of Myriad application the exposed bone has been covered and wound partially epithelized. The use of engineered ECM resulted in successful wound closure with lower risk of donor morbidity and complications associated with free tissue transfer. It is also applicable to coverage of exposed bone and tendons which are not suitable for full thickness or split thickness skin grafting. However, it is important to note that as a relatively new technology, engineered ECM currently comes at a higher cost. Further research and competition in the market is expected to bring down the cost in the future.