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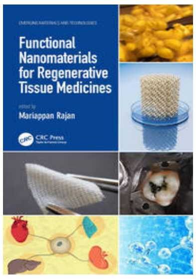

Chapter

Materials for Liver Regeneration, Liver-Cell Targeting, and Normal Liver Tissue Care

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ABSTRACT

At present, mortality associated with hepatic diseases such as cirrhosis is ranked 11th globally. Liver diseases alone account for 2 million deaths annually. In most cases, irreversible liver damage is the cause of death. Recent signs of progress in nanomaterials, cell-based therapies, and more profound liver physiology knowledge have given optimism for treating critical liver complications. Concurrent application of nanomaterials and cell therapy has shown promising results. Several reports suggest that nanomaterials' addition aids in cell adhesion and improves growth, cellular function, and cell differentiation. This chapter will cover recent developments in nanomaterials, their application in liver regeneration, and the role of nanomedicines in maintaining healthy liver tissue. Further, we will provide future perspectives for nanomaterials-based liver therapy.

< Previous Chapter (chapters/edit/10.1201/9781003140108-7/nanomaterial-kidney-disease-management-trupti-ghatage-srashti-goyal-deepika-dasari-jayant-jain-arti-dhar-audesh-bhat?context=ubx)
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