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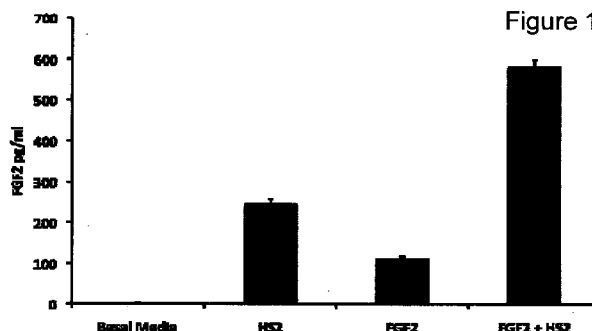
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(54) Title: TREATMENT OF BONE FRACTURE



(57) Abstract: The use of mesenchymal stem cells cultured in the presence of HS-2 for the treatment of bone fracture. Repair of bone fracture using such cells is enhanced compared with the treatment of bone fracture using mesenchymal cells cultured without HS-2. These mesenchymal stem cells may be formulated in a pharmaceutical composition and injected directly into tissues surrounding the fracture or used in a biocompatible implant or prosthesis.