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(54) Title: WOUND DRESSING NANOMESH IMPREGNATED WITH HUMAN UMBILICAL CORD WHARTON'S JELLY STEM CELLS

(57) Abstract: The invention is directed to a method of treating a wound (e.g., to suppress scar formation) in an individual in need thereof comprising contacting the wound with an effective amount of a composition comprising (i) Wharton's jelly stem cells (WJSCs), (ii) a cell culture medium that has been conditioned with WJSCs, (iii) a lysate of WJSCs, (iv) a cell culture medium that has been conditioned with WJSCs exposed to apoptotic skin cells and keloid cells, or (v) a combination thereof. The invention is directed to a medical dressing (e.g., pharmaceutical compositions) comprising Wharton's jelly stem cells (WJSCs), a cell culture medium that has been conditioned with WJSCs, a lysate of WJSCs, a cell culture medium that has been conditioned with WJSCs exposed to apoptotic skin cells and keloid cells, or a combination thereof.



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