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Title: Injectable alginate-*O*-carboxymethyl chitosan/nano fibrin composite hydrogels for adipose tissue engineering

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Highlights

- Injectable Alginate/*O*-CMC/nano fibrin composite hydrogel was developed.
- The hydrogel exhibited mechanical properties closer to that of native adipose tissue.
- The hydrogel showed biocompatibility, swelling ability and controlled degradation.
- Differentiation of ADSCs into adipocytes was observed within 14 days.
- Injectable hydrogel useful for soft tissue regeneration.

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