

Kaohsiung Medical University Chung-Ho Memorial Hospital

Chih-Lung Lin

Chen WC, Huang BY, Huang SM, Liu SM, Chang KC, Ko CL, Lin CL. In vitro evaluation of electrospun [polyvinylidene fluoride](#) hybrid [nanoparticles](#) as direct piezoelectric membranes for guided bone regeneration. *Biomater Adv.* 2022 Nov 30;144:213228. doi: 10.1016/j.bioadv.2022.213228. Epub ahead of print. PMID: 36481520.

11 patients (seven men, four women; mean age, 54 years) were treated in [Kaohsiung Medical University Chung-Ho Memorial Hospital](#) with [suboccipital craniectomy](#) for decompression and temporary [ventriculostomy](#) for [cerebrospinal fluid](#) pressure [monitoring](#) and [drainage](#).

Seven patients demonstrated neurological improvement on the first postoperative day. Two patients returned to their previous jobs 3 months after surgery. The Barthel Index indicated that six individuals were functioning with minimal assistance within a follow-up period of 16-60 months. The remaining three were functionally dependent. No mortality was noted in this series.

These results suggest that decompressive suboccipital craniectomy may be an effective, life-saving procedure for malignant [cerebellar edema](#) after a large [infarction](#) ¹.

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