

P8: THE TREATMENT OF SURGICAL WOUNDS IN DOGS AND CATS USING A FILM DRESSING OF POLYSACCHARIDE, EXTRACTED FROM THE FRUIT-HULL OF DURIAN (*DURIO ZIBETHINUS L.*)

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ABSTRACT

Polysaccharide gel (PG) extracted from the fruit-hulls of durian (*Durio zibethinus L.*) was prepared as a dressing film (PG film). It's antibacterial activity and efficiency for the treatment of full-thickness excisional wounds in pig skin, had previously been reported. In this present study, PG film was used for the treatment of surgical wounds in dogs and cats. Surgical wounds from castration or ovariohysterectomy in 10 dogs and 10 cats were treated with the PG film dressing. Every 2 to 3 days, the wounds were examined to assess the degree of wound healing until complete wound closure had occurred. The results revealed that the surgical wounds in all the dogs and cats completely healed, when treated with PG film and the wound healing rate was similar to conventional treatment using povidone iodine. It was concluded that PG film dressing showed high level of efficiency in the treatment of surgical wounds in dogs and cats.

Key words: PG film, durian fruit-hull, wound healing, dogs, cats