

ACCELERATED CALLOUS FORMATION WITH PHENYTOIN SODIUM

Pages with reference to book, From 310 To 310

Sir,

During, the past two years, 134 cases of fracture of femur, tibia and scaphoid were treated conservatively with oral phenytoin sodium. The drug was given, within first 3 weeks of the fracture, in doses of 100 and 50mg three times a day for adults and children below 12 years of age, respectively, for one week only. Clinical and radiological healing of fractures was evaluated simultaneously (Table). There were no side effects.

Time taken for callous formation was reduced 30-40% in cases of tibia and femur and 50% in scaphoid, irrespective of fracture being simple or compound, thereby reducing the hospital stay and encouraging early return to work.

TABLE
Duration of healing with Phenytoin Sodium.

Age	Fractures tibia febula		Fractures femur		Fractures scaphoid	
	No. of cases	Dura- tion of healing	No. of cases	Dura- tion of healing	No. of cases	Duration of healing
2-5 years	3	3 weeks	6	3 weeks		
5-10 years	8	5 weeks	6	4-5 weeks		
10-20 years	18	5-6 weeks	13	5-6 weeks		
20-40 years	18	6-8 weeks	26	8-9 weeks	8	5-8 weeks
40-60 years	7	8-9 weeks	14	9-10 weeks		
Total	64		65		8	
Total = 134						

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