

A Novel Treatment for Severely Porotic Humerus Non Union With Plate and Rush Pin: A Report of 2 Cases

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The management of humerus non-union in severely porotic bone mainly encountered in the elderly is challenging. The incidence of nonunion is higher in cases involving porotic bones. Non unions can result in significant patient morbidity by limiting activities of daily living due to pain and loss of function especially in the elderly. The literature is replete with studies outlining the various methods of treating humeral shaft non unions with severely porotic bones following primary operative management. However no study describes combining a plate and rush pin together with cancellous bone graft for severely porotic humerus non unions. We have applied this technique in 2 cases of previously plated porotic humerus non unions in the elderly with good results. This technique could be a very useful procedure in underdeveloped countries and rural hospitals where facilities like methylmethacrylate, a plate with a blade and spiked nuts that lock the screws to the plate are not available.

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