

*Research & Development*

**Combined treatment of Diclofenac sodium and B vitamins have more effective inflammatory pain reducing effects than that of only diclofenac sodium, which also can reduce side effects produced by diclofenac**

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Combination treatment of diclofenac sodium along with B vitamins supplementation provide more efficient pain relief than treatment with diclofenac alone. Moreover, the researchers of Sir Salimullah Medical College (SSMC) found that, the combination treatment reduced the side effects that are produced by diclofenac sodium.

Ponce-Monter found that the combination treatment of diclofenac sodium with B vitamins have more analgesic effects on lower limb fracture and surgery than only diclofenac treatment. Perez-flores found that B vitamins have potential beneficial effect on analgesic therapy. B vitamins induce or enhance neuronal synthesis of serotonin or other inhibitory neurotransmitter. Again, B vitamins reduce the dose and shorten the duration needed to achieve the similar analgesic effect of diclofenac sodium. The researchers of Bangabandhu Sheikh Mujib Medical University (BSMMU) found B vitamins have analgesic and anti-inflammatory effect on rats.

The researchers of SSMC found that diclofenac sodium has analgesic and anti-

inflammatory effects on acute pulpitis patients. But the combined treatment of diclofenac sodium along with B vitamins have more efficient inflammatory pain relieving effect than diclofenac sodium alone. B vitamins can reduce the side effects produced by diclofenac sodium. And it would be helpful in the treatment of acute pulpitis patients.

**Using a molecular ‘plaster’ to beat cancer**

Scientists find several ‘holes’ in a faulty p53 protein and discovered a potential new way to beat cancer by filling in these holes with molecular plasters.

