

## Adenosine in burn blister fluid.

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**BACKGROUND:** Burn wound blister fluid is known to sustain suppressive effects on various components of the immune system. Damaged tissues cause an increase of adenosine concentrations. Since adenosine is a potent anti-inflammatory agent we hypothesized that burn blister fluid contains high concentrations of this nucleoside. **METHODS:** Burn blister fluid was drawn from eleven patients who suffered a second degree burn injury. Adenosine concentrations were determined using high performance liquid chromatography (HPLC). **RESULTS:** Elevated adenosine levels were detected in 6 of the 11 patients (54.5%), with an overall mean of 1.13+/- 0.52mM.

**CONCLUSIONS:** This is the first documented data showing increased concentrations of adenosine in burn blister fluid.