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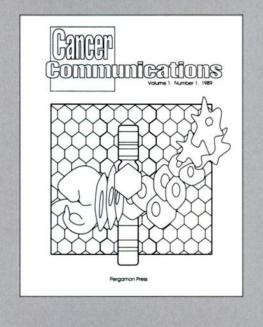
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- Morrow CS, Cowan KH: Oncology 2,10: 55-62 (1988). Pastan I, Gottesman M: N Engl J Med 316: 1388-1393 (1987). Cope November: 30 (1988).

- Cope November: 30 (1988).
   Ma DDF, et al: Lancet 1:135-137 (1987).
   Bell DR, et al: J Clin Oncol 3:311-315 (1985).
   Dalton WS, et al: Cancer Res 48:1882-1888 (1988).
   Fuqua SAW, et al: Cancer Res 47:2103-2106 (1987).

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