Warts are benign epithelial proliferations of the skin and mucosa caused by infection with human papilloma viruses (HPV). Most people will experience infection with HPV at some time in their life. Plane warts are mainly caused by HPV-3 and HPV-10. Diagnosis is usually based on clinical examination. There is no single absolutely effective treatment and different types of treatment may be combined. One must take into account the possibility of spontaneous regression and so the therapeutic approach should not be too aggressive. Warts in adults, in those with long duration of infection and in immunosuppressed patients are less likely to resolve spontaneously and are more recalcitrant to treatment. Retinoids disrupt epidermal growth and differentiation thereby reducing the bulk of the wart. There are number of case reports and a limited number of trials showing the effect of systemic retinoids in the treatment of warts. We present two patients with plane warts on the face, in whom after 4 weeks of systemic isotretinoin treatment we observed total clearance of warts.