Oxygen therapy seems to be effective in patients with intracranial air. We sometimes use oxygen therapy to patients with pneumocephalus after craniotomy. However, I have never seen any clinical studies about this - until now!

I found a paper from Gore et al. In a prospective study they examined the efficacy and effect on the rate of pneumocephalus absorption. A group of patients received 100% (normobaric) supplemental O(2) through a nonrebreather mask at 12 L/minute for 24 h and were compared to a control group. A blinded radiologist :) found a significant difference in the rate of air volume reduction in the treatment group (65%) compared to the control (31%).

/Jan

Reference: