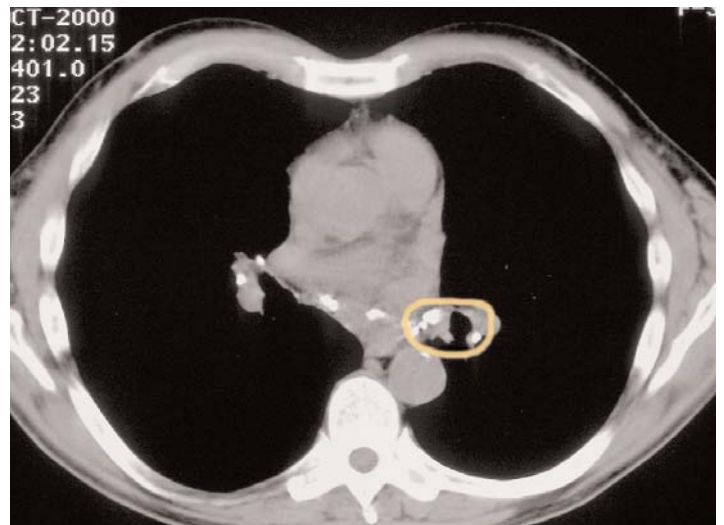
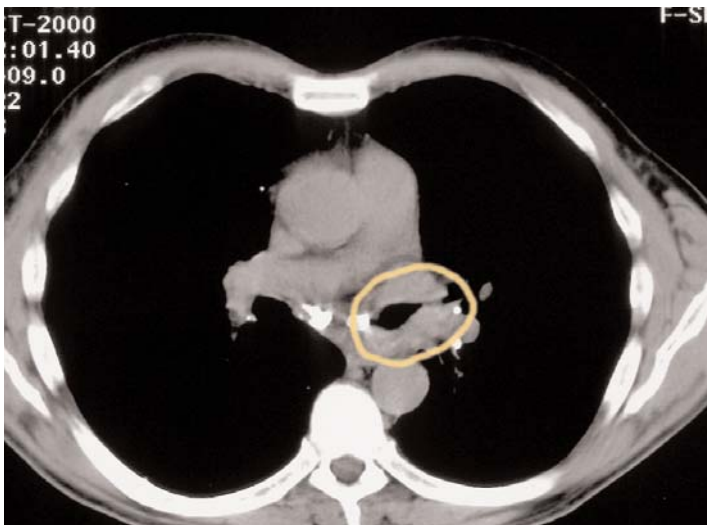
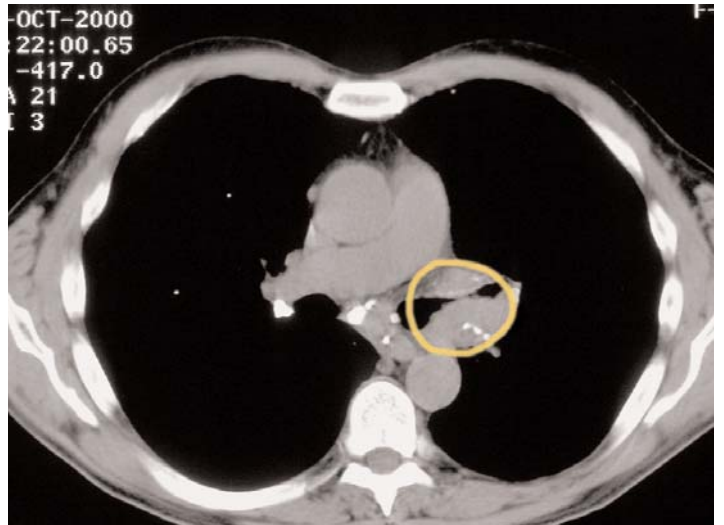
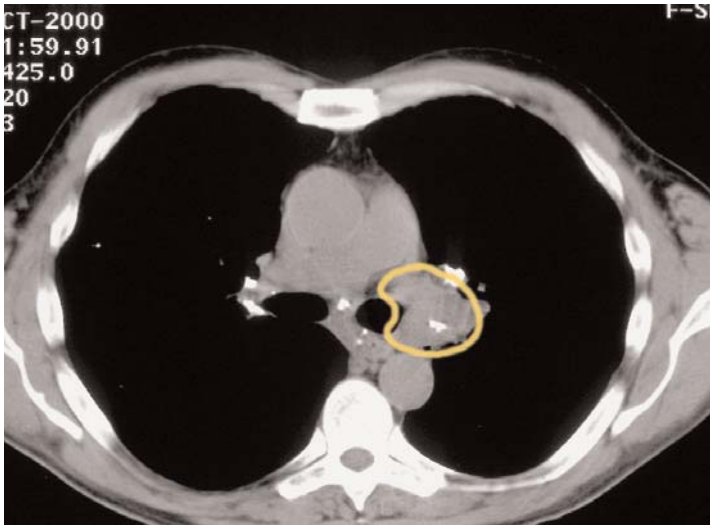
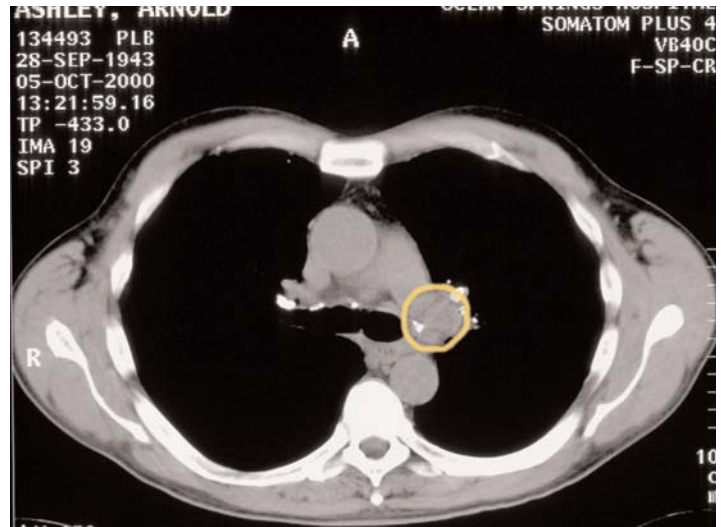
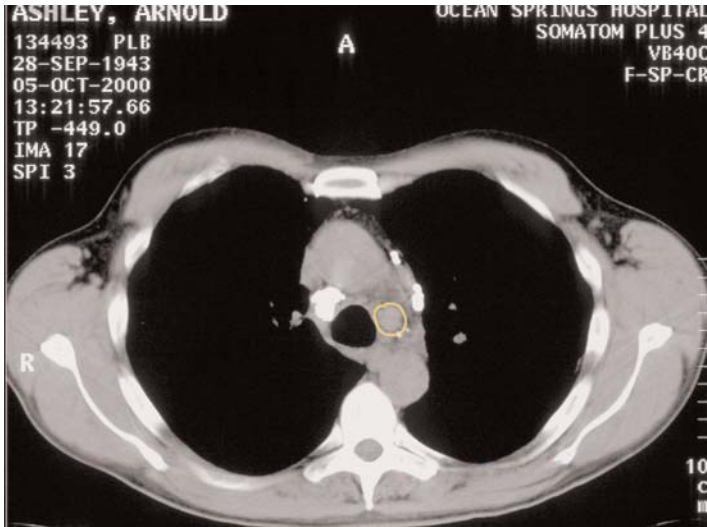


Adenocarcinoma With Sustained Remission After Brain Metastases Arnold Ashley's Extraordinary Survivorship

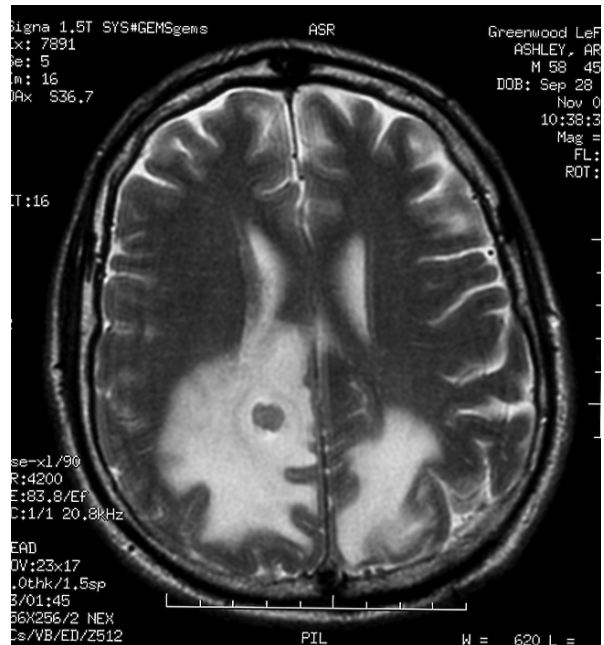
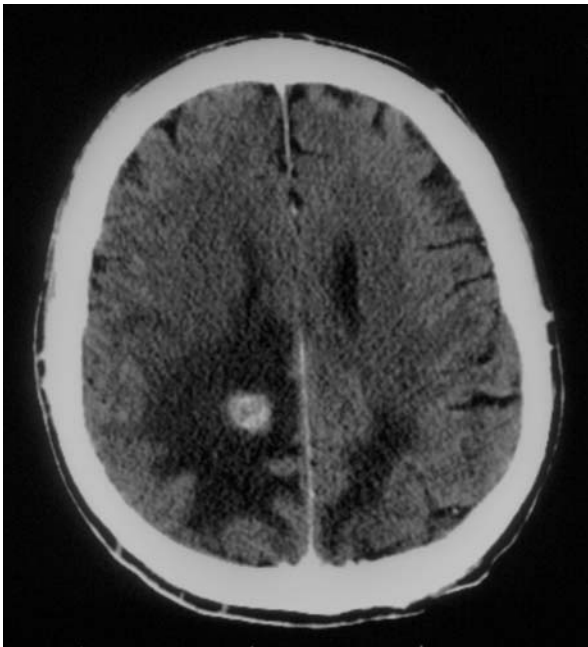
**October 2000 - Chest CT scan at presentation shows
splitting of left and mainstream bronchus**



Verification film taken with linear accelerator showing "beams' eye view" of left hilar region and adjacent mediastinum which was initially treated. After preoperative radiotherapy to 4500 cGy and immunotherapy left pneumonectomy was carried out. Before the manipulation of major surgery, all gross tumor bulk had been reduced in size improving resectability and potentially metastatic tumor that might be disseminated by surgical manipulation was largely destroyed. At thoracotomy, the mass was resectable, and all residual left hilar cancer was removed. The immunotherapy medicinal regimen begun at the initiation of chest radiotherapy was interrupted for the lung surgery, then promptly reinitiated to prevent surgery induced immunoincompetence.

Most surgeons ignore the immune consequences of major surgery. The preservation of immune function across major surgery is beyond the "turf" of major specialties – internal medicine, pulmonology, thoracic surgery – caring for patients in the perioperative period. The post operative time is a fertile time for cancer clonogens milked into the blood stream at surgery to set up shop as metastases. It's not "air getting to cancer" that increases metastatic risk after major surgery, it's the obliviousness of conventional medicine to the needs for immune system management across all conventional treatments.

November, 2001 images from CT and MRI scans reveal cavitory right posterior cerebral mass. Both images clearly reveal the surrounding cerebral edema.

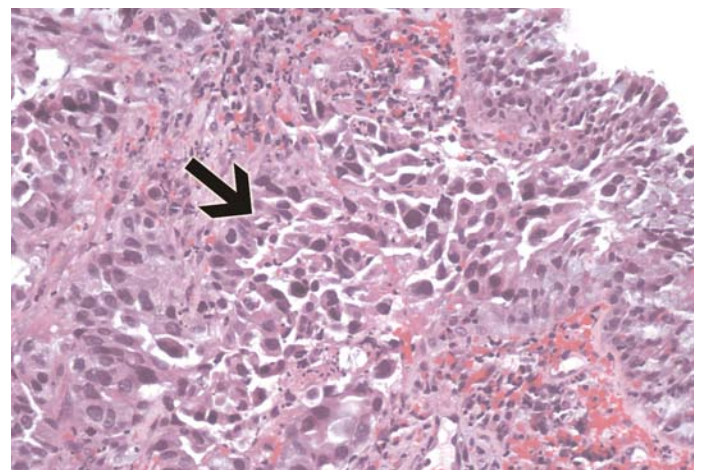
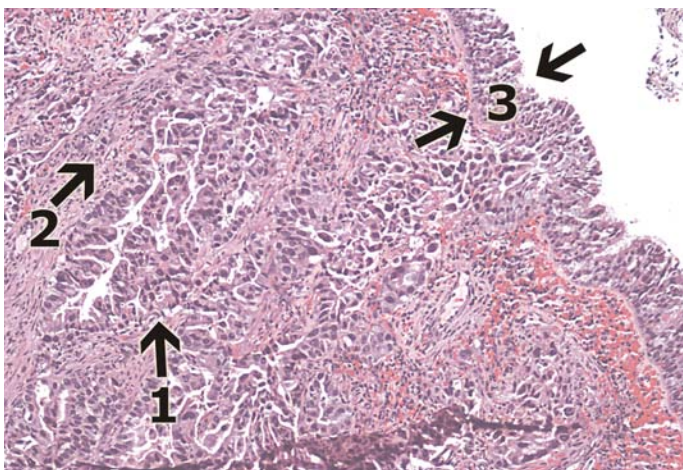


November, 2001 images from CT and MRI scans also reveal a second smaller mass on opposite side of brain. Note the cerebral edema is again apparent on the MRI.



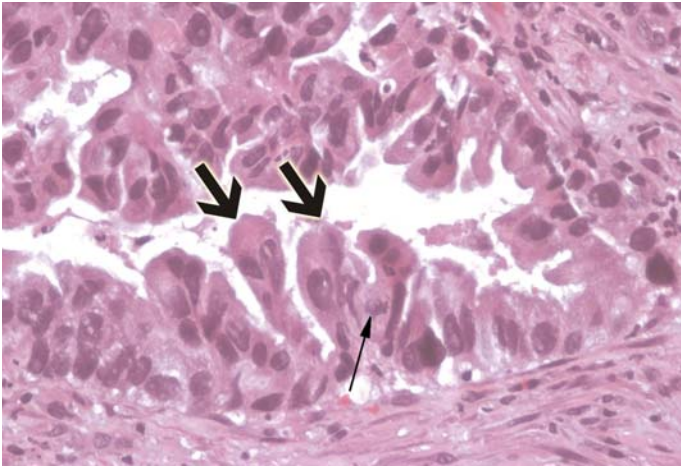
Most radiotherapists treat the pituitary gland and the adjacent temporal lobes as well. The youthfulness of the pituitary gland function is compromised by these customarily employed fields. Human growth hormone (HGH), trophic hormone of the thymus, is manufactured in the pituitary. The thymus gland is the master gland of immunity and must orchestrate processes that distinguish self from non-self (immune surveillance including cancer recognition). As Mr. Ashley had chosen the immunotherapeutic systemic path, precautions were taken to protect the integrity of the endocrine transducer pathway by which immunity is maintained or restored.

Pathology Slides

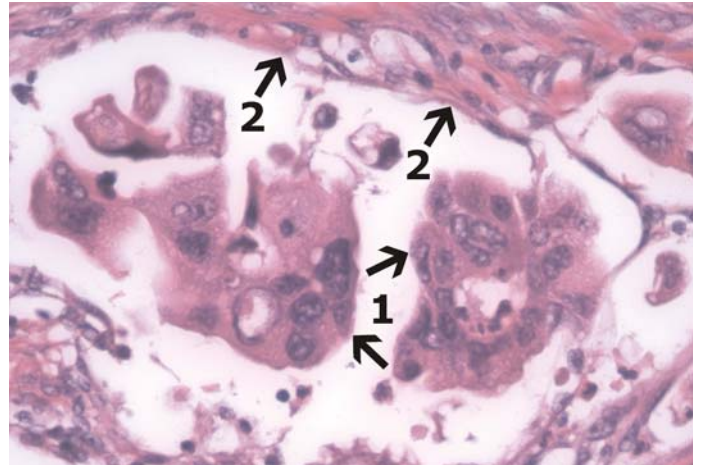


Malignant tumor (1) showing glandular pattern (adenocarcinoma) and normal tissue (2) invasion. Normal lining of bronchus (3).

Residual dying tumor cells after radiotherapy.



Frond-like structures characteristic of adenocarcinoma



The clumps (1) of damaged and malformed tumor cells have lost their attachment to the nourishing basement membrane (2) and appear destined to die.

July 2002. Same cross sectional CT image of brain taken 6 months later shows complete disappearance of larger lesion and no residual edema. Smaller mass had also disappeared. The scan is completely normal. There was no evidence of focal injury or cerebral atrophy.



Generalized cerebral atrophy (with associated cognitive decline and loss of memory) is far more likely after the large fraction radiotherapy (300 cGy x 10 treatments - 3000 cGy) often employed by oncologists oblivious to the morbidity of radiotherapy. The typical dose of 3000 cGy seldom controls brain metastases. Note also there is no evidence of focal brain damage such as may be seen with gamma knife or radiotherapy surgery techniques. These methods ignore or accept the late changes from such large fractions.

Summary: At every decision fork, a management decision was made (1) to totally eradicate all known viable deposits of gross cancer, to preserve quality of life, and to preserve immune function. Cytotoxic chemotherapy was never employed.