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May 3, 1988

Attorney James H. Tourtelotte
Robinson, Donovan, Madden & Barry P.C.
1500 Main Street - Suite 1400
Springfield, MA 01115

RE: John H. Warren

Dear Attorney Tourtelotte:

Mr. John H. Warren was first seen in consultation June 3, 1987 at the Baystate Medical Center. The consultation was requested by Dr. Arthur McGuire following Mr. Warren's admission with neurologic symptoms. A CT scan of the brain had been done showing multiple metastatic lesions to the brain from an uncertain primary. Mr. Warren reported repeated episodes of hemoptysis, and chest x-ray also showed multiple metastatic lesions. There were episodes of gastrointestinal bleeding and hematuria suggesting abnormalities in the urinary and gastrointestinal systems. Mr. Warren also complained of pain in the right upper abdomen and lower chest, and scans showed an abnormality in the liver and first interpreted as a benign hemangioma.

Mr. Warren gave a history of exposure to the chemical vinyl chloride over a period of many years at his place of employment. Given the known association of vinyl chloride exposure and angiosarcoma of the liver, this lesion was suspected in Mr. Warren's case. Therefore a needle biopsy of the lesion in the liver was undertaken, but this was not diagnostic. Therefore on June 26, 1987, an open biopsy of the left lung and pleura was done revealing a malignancy diagnosed as angiosarcoma metastatic to lung and pleural. The known lesion of the liver was then considered to be the primary site. The hematuria and blood loss from the intestinal tract were assumed to be due to metastatic lesions to these organ systems.

Mr. Warren was seen in consultation at the Dana-Farber Cancer Center in Boston. After review of the biopsy material and examination of Mr. Warren, the consultants concurred in the diagnosis of metastatic angiosarcoma and recommended chemotherapy. Chemotherapy was not successful

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April 25, 1988

in controlling the metastatic lesions, and Mr. Warren continued to have hemoptysis and gastrointestinal blood loss with anemia. The brain metastases, which had responded previously to irradiation, recurred with return of neurologic symptoms. Despite blood transfusions, intravenous fluids and nutritional efforts, the disease progressed and Mr. Warren expired January 29, 1988.

Angiosarcoma of the liver is quite a rare tumor, and it is my opinion that in Mr. Warren's case, there is a direct association between his angiosarcoma and his prolonged contact with vinyl chloride.

Sincerely,

FA Flatow MD
Frederick A. Flatow, M.D.

FAF/nbr

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