Exp. 774. Cf 694

Asbestos Inhalation - Long Fibre Chrysotile.

WHITE MICE.

PLAINTIFF'S EXHIBIT WV-03578

Placed in Room #5 and started dusting - NOVEMBER 3, 1938.
20 White Mice.

Females.

		Exposure		
1.	Found dead XI/25/38. No tissue saved. Marked for change.			Tumor of uterus
2.	Found died XI/2/39.	1 yr	3/4 mo	Fibrosarcoma of lung.
3.	Found dead 11-26-39. Tissue saved.	1 "	.6 "	Adenoma lung
4.	F.D. - 5-28-40.	1	7 1/4 "	Adeno fibroma
5.	F.D. - VI/12/40.	1	8 3/4 "	Adenoma
6.	F.D. - Killed - VII/24/40.	1	3/4 "	Adenoma
7.	F.D. - 11-27-40 (11-27-4) 2 years.	2	3/4 "	"
8.	- Killed 11-27-40 - 2 yrs	2	3/4 "	"
9.				
10.	Missing.			
11.	died - Nov. 13, '38? No autopsy record or tissue			
12.	" " "			
13.	" " "			
14.	" " "			
15.	F.D. - 5-11-40	1	6 mo	Adenoma
16.	F.D. - 5-10-40 - No autopsy Record	1	7 7/8 "	"
17.	F.D. - VI/11/40.	1	7 3/4 "	Adenoma of mediastinum
18.	F.D. - VI/27/40.	1	11 1/2 "	Adeno. tissue lost
19.	F.D. - X/16/40			
20.	Missing.			

PLAINTIFF'S EXHIBIT 45910

Age of Some of these mice not stated
No other inhalation pursuant to mice started

9 out of 11 or 81.8%

-2-39 — found dead - 1 yr.

Thorax - no adhesions.

Lungs. Tumor mass in right lung - no metastase
Atelectasis of left lung —
no gross evidence of dust.

Tr. B.L.L. Small + soft

Liver P.M. change, otherwise no lung

U.L.L.

Spleen. P.M. change

Kidneys — no gross change

Mx - No appreciable dust. Only scattered phagocytic [illegible]
Debatable whether a chronic abscess has resulted in
acute + chronic organizing pn. c̄ epithelial metaplasia or
whether there is a tumor. It is different at least from
the ordinary mouse adenoma.

Adenoma invaded by abscess

1-25-39 found dead - 1 yr 3/12 mo

advanced P.M. change.

Lung is atmetatic — no gross evidence of dust

Mx - Fibrosarcoma? of mediastinal tissue c̄ retrograde lymphatic extension into lung.

Slight cellular thickening (fibrous?) along terminal bronchioles

Occasional C.B. inside phagocytes scattered thru interface

no concentration in reaction along bronchioles

Lymphosarcoma

PP

-28-40 found dead - cause of death - ? -

Except for P.M. change → there is nothing significant -

[illegible] - pink - generally air containing

BHH - no change

[illegible] - P.M. -

[illegible] - [illegible] -

[illegible] - P.M. change

[illegible] - nothing significant

Mx - Numerous C.B., well marked epithelial hyperplasia in terminal bronchiole, one small adenoma c̄ neither [illegible] particle nor C.B., no fibrosis

L.N. empty pale phagocyte, no CB

1 yr. 7 1/4 mo.

June 12, 1940. Found dead.

Thorax - no adhesions - no free fluid.

Lungs - Large tumor mass involving almost entire left lung.

H.B.L.N. - large + firm.

Liver - Enlarged - chr. passive congestion - ? amylo

Spleen - 3.5 - x 1 cm - " " " - "

H.L.N. - 3x5 - firm + injected.

Kidneys - no gross change.

Axillary region - large sub-Q tumor on right side.

Mx

Large papillary adenocarcinoma replacing 1 lob of lt. lung at border
undifferentiated sarcoma in tissue
Opposite side - occasional C.B. 5 phoses but sl. pro lif.
epithelium at side of bronchioles
metastases to liver + spleen destructive replacement by sarcoma
tissue resembling that at border of lung tissue
Axillary region a thyroid adenocarcinoma

Lymphosarcoma

1 yr. 8 mo. 21 days Inhalation
Long Fibre Chrysotile.

July 24, 1940. Poor condition - killed.

Partial collapse of hind legs - suggest cerebral accident.

No significant abnormality seen except small localized adenoma in R. lung.

Lungs - generally air containing - pink in color - no dust seen.

Tr Bkn small + soft

Liver - 0

Bkn 2x2 mm - 0

Spleen 1.5x.4 cm - 0

Mx
Non-fibrous thickening of walls of terminal bronchioles c̄ typical CB
Fairly long

— — found dead.

advanced post mortem change

shows. scattered ~~to~~ nodules of tumor.
and white in color. — Remaining
of lung is in advanced P.M. State
reaction thereto no recognizable —

— — advanced P.M. change

focal prolif. of mouse about respiratory bronchioles. many
into CB inside mouse widely scattered than alveolic
fibrosis
Pul. congestion
other large localized adenomatous nodules involving pulmonary parenchyma
bronchi no metastases
L.N.O

-27-40 K. for Sampling

Thorax - -

Lungs - generally air containing - the pleura is everywhere smooth - the organ is normally soft. There is no gross evidence of Just or Just reaction

BHH are small and soft.

LHH - small - no gross change

mer
spleen
kidneys } - no gross change.

Mx

Lungs - Focal areas of cellular proliferation (mono) in walls of respiratory bronchioles. Inside of an occasional mono is a smooth wollen coated fibre. Minute haustral visible only at x 600. These C.B. are not numerous & the are not in the peri bronchiolar thickening but scattered throughout

L.N 0

1 yr 7 mo 8 da

June 11, 1940 - Found dead - advanced P.M. change

Thorax - No adhesions - no free fluid.

Lungs - Generally air-containing - pink in color.
No gross evidence of dust or dust reaction.

HBL - very small.

Liver - no gross change.

L.L.N. - 2 x 1 mm - soft.

Spleen - 0.8 x 2.5 cm - p.m. change.

Kidneys - 0.

Intestines - markedly distended c̄ gas.

Mx.
a few scattered small phagocytes occasionally containing
a short smooth yellow-green coated fibre fragment
L.N. - foreign body tubercle c̄ calcified foci but no dust cases

5-11-40 found dead. 1 1/2 yrs.

Thorax.

Lungs - no gross evidence of dust -
1 small localized tumor in apex
of the lower lobe. — (adenoma)

Tr B.Lk small - no change

P.M. change of other organs.

A considerable number of very small typical CB. all
inside of phagocytes — Small adenoma

~~Massive Adeno-carcinoma replacing most of 1 lung~~
~~Metastases to liver, spleen - latter not glandular at all but very destructive~~
~~Also possibility of another tumor of thyroid origin~~

1 yr. 7 3/4 mo

June 27, 1940. - Found dead.

Thorax - no adhesions - no free fluid.

Lungs - Generally air-containing, pink in color - no gross evidence of dust or dust reaction. There is one tumor about 2 x 3 cm in upper portion of lower lobe on right.

B.L.N. - enlarged and firm.

Abdomen - scattered throughout are many tumor masses of varying size - one of which seems to have surrounded and obstructed the large bowel.

Liver - no gross change.

L.L.N. - 3 x 4 mm - firm.

Spleen - .5 x 2.0 cm. - no gross change.

Kidneys - several small tumors are seen on surface - and also plug in tissue on section.

mx. no fibrosis; numerous small CB + one very long fibrin (some myelophasia? of epithelium in terminal bronchiole.

Adenoma contains no dust or CB.

→ in lung

lymphosarcoma in mediastinum

abdomen

Inhalation - Long Fibre Chrysotile

1 yr 11 1/2 mo

16-40. - Found dead.

Thorax. No adhesions - no free fluid

Lungs - Generally air-containing - pink in color - no defi-
dust lesions seen. One large tumor-like mass,
in middle third of left lung - well circumscribed &
measuring about 6 mm in diameter.

Bl. N. - small.

Liver - pale - otherwise no gross change.

H. L. N. - 1 x 2 mm - clear.

Spleen - 0.5 x 2 cm - no gross change.

Kidneys - 0.

Mx
Lungs Sl. cellular thickening about walls of terminal
bronchioles. Very numerous small intracellular CB
Widely scattered thin alveoli. No fibrosis

L. N. small chunks of dust cell.

Adenomleiomyoma ?