

Asbestos Exposure = Mesothelioma Cancer

Written by mesothelioma-news

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Construction products, insulation for industrial plants, homes and commercial buildings use asbestos in large amounts. An experiment in 1985 which proved the material to be a carcinogen; as a result many **asbestos** companies were bankrupt. **Asbestos** exposure causes 80% of all **mesothelioma cancer** according to The National Cancer Institute. Radiation is the main reason for **mesothelioma cancer**

Asbestos release fiber into the air when it is disturbed, people working nearby can inhale this, people who are mostly affected are the people who works as a miner, construction worker, plumbers, carpenters, a ship's crewman working around that ship's pipes and boilers, auto mechanics, oil business, chemical plant and power plant workers and many more. The sad part is that their families can also get affected when the workers bring with them at home the asbestos fibers on their shoes and clothes that acquire from the place they work.

Mesothelium is a tissue that lines the cavities in the upper body. It also lines the pleural area; it is consisting of two layers the visceral layer or the inner portion which lines the lungs and the parietal layer or the outer portion that lines the chest wall. Mesothelioma causes the mesothelium layers to thicken because of uncontrolled cell growth. Accumulation of fluid between the two layers is often the result of that abnormality.

There are three types of Mesothelioma cancer; Pleural mesothelioma which is the most common, is when the inner and outer layers of the mesothelium thickens and retain fluid in between, shortness of breath may develop since pressure is put on the lungs. Persistent cough, chest pain, swallowing problem and hoarseness are some of the symptoms, while fever, weight loss and fatigue are the more general symptoms of Pleural mesothelioma. This is initially diagnosed as pneumonia or some other common pulmonary problem because of the said symptoms. The next type is the pericardial mesothelioma which mainly impacts the membrane that surrounds the heart. While pleural is the common this one is the rarest which has less than 10% diagnosis. It is still a big question on how this is caused by asbestos; researchers are still trying to figure out how asbestos can get into the pericardial mesothelium.

They have a theory that after inhalation, they break up into pieces and somehow carried by the bloodstream to the pericardial area. The impact is the same as pleural mesothelioma, inflammation that leads to the uncontrolled growth of cells - cancerous cells. Thickening of the membrane results in accumulation and pressure put in the heart. Irregular heartbeat and low or no stamina and chest pain are the symptoms. The last type is the peritoneal mesothelioma which impacts the membrane that lines the abdominal cavity, the peritoneum. Like pericardial, it is also not clear on how asbestos becomes, because in pleural asbestos is inhaled. The theory they have is that tiny asbestos fibers travel through the bloodstream like in the case of

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pericardial mesothelioma. Another possibility is asbestos fibers that are introduced to the body through drinking and eating