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Earthquake & Asbestos

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Earthquake & Asbestos

Kobe University Project Innovative Ethics Kyoto Seika University Project of Functional Story Manga



を必ず通過 震災とアスベスト Earthquake & Asbestos

Kobe University Project Innovative Ethics Kyoto Seika University Project of Functional Story Manga

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(Written by Akiyoshi Enoki)	

STAFF

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What is asbestos?

Asbestos is the fine fibers of minerals that cannot be seen with our naked eyes.

 Because it is cheap and easy to process, asbestos was called "magic mineral" and used as a raw material of many industrial goods.

However...Since 1990s it has been banned in the developed countries. The reason for it is: when we breathe asbestos fibers, it can cause serios deseases.



The reason for that is, it can cause serious diseases, if we inhaling asbestos fiber.

What kind of diseases does asbestos cause?

Asbestos related diseases will break out after the exposure of it around 10 to 50 years later.

The main diseases are...

Ordinary breathing becomes painful.

It's hard to breath. The patient require oxygen inhaler all the time.

The patient becomes to need inhalation of oxygen.

These diseases are bad prognosis. Recovery is difficult.



Smoking makes the risk of diseases much higher.

The health hazards are not limited to the people who had the jobs directly related to asbestos. We, ordinary citizens, should be careful!

Which items we use are made of asbestos?

Asbestos has more than 3000 applications or uses!

In Japan, 80% of the asbestos was used for building materials. In buildings, for example, there have been corrugated sheets, construction boards, and reinforced concrete.

In cars, asbestos as a raw material was used for automobile brake pads.



Asbestos was especially used as insulating materials for various products.



Earthquake and Asbestos exposure

Asbestos is not used for household goods in many countries anymore. Old buildings should be dismantled by taking measures to prevent asbestos from scattering.

However, we have risks after earthquakes. When buildings collapses, asbestos in the buildings would be dispersed.

- In the Hanshin-Awaji Earthquake in 1995, there were outbreaks of mesothelioma cases among those who worked for clearing the rubble left by the quake.
- There is the same concern about Tohoku Earthquake in 2011 too.





Pacific plate in the Japanese history.

What can we do to protect us from asbestos?

Have the dust-proof masks not to breathe asbestos fibers for an earthquake!

We should wear the dust-proof masks, DS2 or N95 that meet the national standards.



Take care of yourselves in areas struck by disasters, because buildings may be dismantled without covers.

What should we do if we get asbestos related diseases?

- If you had the jobs related to asbestos in the past in Japan and if you had a working visa, workers' compensation insurance can be available.
- In Japan you can receive a benefit by "Act on Asbestos Health Damage Relief" according to the recognition that you got asbestos related disease, if it is not the case for workers.
- Please contact the Labor Standards Inspection Office or a recognized NPO, for the support of legal process of this standard if you live or work in Japan..

If you have any worries or anxieties about your physical conditions, please get a physical exam to be sure. If you are over 40, you can get a lung cancer check-up at the hospital that specified by the local government, for 1,000 yen.

It is important to remember our information for the health of yourself and your close people.



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