Hilly region people suffer from goiter

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Abstract
Goiter is a swelling or an abnormal enlargement of the thyroid gland. This enlargement or swelling of the thyroid gland causes the lump in front region of neck. Usually a goiter is harmless. But in certain cases, it can cause some symptoms depending upon the size and location of the enlargement. The thyroid gland is a butterfly shaped gland situated just below the Adam’s apple in the front of the neck. It is about 2 inches long. This thyroid gland secretes thyroid hormones T3 and T4. These hormones regulate our metabolism and the way our body uses energy. They also maintain the rate at which our body uses fats and carbohydrates. The thyroid hormones also influence our heart rate and help in maintaining body temperature.

Keywords: Awareness, thyroid gland, homeopathic treatment

Introduction
Himalayas have become alarmed by recent evidence that a lack of iodine in the diet is dooming millions of children to mental and physical disabilities. Shocked by the findings that the damage from iodine deficiency is far worse than previously suspected, the governments of India, Nepal and Bhutan are now adopting emergency countermeasures. Because of the subtle effects of iodine deficiency on brain development, one international health specialist said, “in some of the worst-affected Himalayan villages nearly half the children appear to be virtually uneducable and unemployable except for the simplest tasks”. As a result, some officials fear, the economic progress of entire communities is being held back.

The mountains and plains of northern India, Nepal and Bhutan have long been infamous in medical circles as the "Himalayan goiter belt." The soils and waters of the Himalayas are so lacking in natural iodine that even the goats develop goiters, the enlargement of the thyroid gland that is the body's adaptation to the deficiency. In some mountain cultures, people with smooth necklines were once regarded as oddities.

Presentation for Goiter
Small goiters do not have many symptoms. In case they become large, they may have some symptoms. The common symptoms of goiter are as follows:
- There is swelling in the neck. This swelling is just below the Adam’s apple. There may be cough or irritation in the throat. Hoarseness of voice may be another symptom.
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- In case of hyperthyroidism, there are symptoms like weight loss, increased appetite, intolerance to heat, diarrhea, nervous trembling of hands, tachycardia and high blood pressure. Swallowing may become difficult.

Homeopathic therapy for Goiter
Homeopathy is much more successful in the treatment of goiters. This is because it treats the patient as a whole and not just an individual part. Homeopathic medicines work on the body’s immunity and then allow the natural immunity to heal the body on its own. That is why it takes a little time for the goiters to disappear. It is precisely why one needs to have some patience when one opts for the homeopathic treatment of goiter.

Some homeopathic remedies use in treatment of goiter:
- Calcarea Carb
- Crotalus Cascavela
- Iodium
- Lycopodium
- Spongia
Study done in Asia
First study had been done by Bramely. He confined his research work to Nepal. He tried to study the goiter incidence in this region. He discovered another fact that there are massive variations among populations of the Himalayas living twin close proximity. One village showed 2% of the disease whereas the neighbouring village showed 30% of the disease. Bramely had suggested the use of neck bands and iodine ointments. This was reducing the swelling of the goiter affected patients. According to Saka, the city of Istanbul was completely goiter free although a few thyrotoxicosis cases existed. McCarron estimated that nearly 5 million people of the Indian population are goiter victims. He affirms that the number may still be the same till today. Ramalingaswami had reviewed much statistical evidence and concluded that goiter rates in Indian haven't changed a bit. The etiological factors causing goiter are
1) Pollution
2) Lime rich water and soil
3) Poverty
4) Improper diet
5) Iodine deficiency [99, 100, 102]
Raymond had discovered that in the Chin Hills of Burma, the women were more susceptible to goiter than the men. It was seen mainly during puberty and pregnancy. The water of this region was very pure and had good iodine content. However due to decrease vitamin A in their diet, goiter was seen. Kawaishi had discovered that iodine deficiency was not the only cause of goiter to occur on the people of Taiwan. It was due to the massive cases of hypercalcaemia seen in the Taiwanese native. Thus goiter was caused as a result of the defect in calcium metabolism. This was the latest findings Greenland had proved that goiter cases in Philippines were seen as early as the 18th century.

Conclusion
The key factor is that iodine can help reduce the intensity of goiters. The geographical locations which include mountainous regions are distant from the sources of salt containing iodine. Thus people living at higher altitude tend to be more susceptible to the goiter attacks. The best remedy is the use of iodinated salt or iodine tablets. Many governments of the world have made the use iodinated salt mandatory.

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