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THE BARYTAS AND THEIR SCOPE IN HOMOEOPATHY

Dr. Jitendra Kumar Singh

H.O.D., Department of F.M.T., R.B.T.S. Government Homoeopathic Medical College &
Hospital, Muzz

aryanabhishek781@gmail.com

ABSTRACT

Baryta group is also known as Barium group. Barium is found in group IIA of periodic table, in which Magnesium and Calcium group are also present. It is a silvery-white metal that can be found in the environment, where it exists naturally. It occurs combined with other chemicals, such as carbon, oxygen, and sulphur. The main theme of the IIA is seeking of security and protection and stunted growth. Baryta group medicines are very important in treating diseases of children and old aged person.

KEYWORDS: Barium, Baryta, Homoeopathy

INTRODUCTION

Barium is a chemical element with the symbol Ba and atomic number 56. [1] It is the fifth element in group 2 and is a soft, silvery alkaline earth metal. Because of its high chemical reactivity, barium is never found in nature as a free element. Barium is a dense alkaline earth metal that occurs naturally in ore deposits and makes up 0.05% of the Earth's crust. Barium and its compounds may be found in nature or produced industrially for various uses. It is a silvery-white metal that can be found in the environment, where it exists naturally. It occurs combined with other chemicals, such as carbon, oxygen, and sulfur. It is very light and its density is half of that of iron. Barium oxidizes in air, and reacts vigorously with water to form

the hydroxide, liberating hydrogen. It reacts with almost all the non- metals forming often poisoning compounds.

CHEMICAL PROPERTIES

<i>Group</i>	2	<i>Melting point</i>	727°C, 1341°F, 1000 K
<i>Period</i>	6	<i>Boiling point</i>	1845°C, 3353°F, 2118 K
<i>Block</i>	s	<i>Density (g cm⁻³)</i>	3.62
<i>Atomic number</i>	56	<i>Relative atomic mass</i>	137.327
<i>State at 20°C</i>	Solid	<i>Key isotopes</i>	¹³⁸ Ba

USES OF BARIUM [3]

- A suspension of barium sulfate is sometimes given to patients suffering from digestive disorders. This is a 'barium meal' or 'barium enema'. Barium is a heavy element and scatters X-rays, so as it passes through the body the stomach and intestines can be distinguished on an X-ray.
- Barium is often used for spark-plug electrodes and in vacuum tubes as a drying and oxygen-removing agent. As well as fluorescent lamps: impure barium sulfide phosphorescence after exposure to light.
- Its compounds are used by oil and gas industries to make drilling mud. Drilling mud simplifies drilling through rocks by lubricating the drill.
- Barium compounds are also used to make paint, bricks, tiles, glass, and rubber.
- Barium nitrate and chlorate give fireworks a green color.

SPHERE OF ACTION

1. Blood vessels

2. Central nervous system
3. Cardiovascular system
4. Glands
5. Lymphatic system
6. Mind

Patho-physiology

- Action on the heart muscle: In barium intoxication, there is peripheral action on the heart muscle and the smooth musculature of the vessels and the intestine.
- Action on the central nervous system: It expresses itself in spasms and finally paralysis of the extremities. Barium intoxication symptoms: vertigo, coldness and contractions of the extremities, tension of the facial muscles.
- Action on CVS: Palpitation, increase of the blood pressure, numbness and other actions similar to digitalis, feeling of anxiety. visual disturbances, rarely paralysis. They usually act on the heart and its coverings and produce angina and other disorders. It is worthy of note that, after apparent recovery, persistent muscle weakness may remain. [4]

CHARACTERISTICS^[4,5,6]

- Mainly or affections of children and old age.
- Children retarded and defective mental / physical development.
- Tardiness of development of organs.
- Dwarfishness in children.
- Enlarged glands especially adenoids
- Slowness, sluggishness.
- Slow comprehension, slow in action, movements.
- Tendency to enlargement of glands.
- Chronic enlarged tonsils and tendency to suppuration.

- Tendency to catch cold.
- Great sensitivity to cold air. Chilly ++.
- Diathesis - scrofulous.

CONSTITUTION^[4]

- Hydrogenoid constitution
- Physical makeup- stunted growth both mentally and physically.
- Dwarfish, fleshy and flabby appearance.
- Children late learn to speak and walk

REMEDIES UNDER BARYTA GROUP

Baryta acetica (Barium acetate)

Baryta arsenicosa (Barium arsenate)

Baryta carbonica (Barium carbonicum)

Baryta muriaticum (Barium chloride)

Baryta iodata (Barium iodide)

Baryta phosphorica (Barium phosphate)

Baryta sulphurica (Barium sulphate)

MENTAL SYMPTOMS^[4,5,6]

- Timidity ,Bashfullness,Shyness
- Timidity of Baryta- he usually does not want to show his face
- They look down bashfully like a small girl
- The child has habit of covering his face with both hands when appearing in public

MENTAL RETARDATION-

Baryta individuals have some aspect of the personality which has not matured fully. Sometimes it is just one isolated aspect , such as social skills, whilst at other times it is

several. Some Barytas have a global underdevelopment of the personality, one that affects all aspects, resulting in a clearly immature individual.

- Poor concentration
- Decreased comprehension
- Behavioural abnormalities (foolish, immature and childish behaviour).
- Fear of strangers

GENERAL MODALITIES [6]

WORSE-Cold air, cold water, mental exertion, thinking of complains, lying on painful side

BETTER-when alone, walking in open air, cold exposure

CHARACTERISTIC FEATURES OF REMEDIES OF BARYTA GROUP

Baryta Acetica

MENTAL SYMPTOMS	PHYSICAL SYMPTOMS
Forgetful Lack of self confidence	Feeling of cobweb in face. Drawing pain down whole left leg. Crawling, with burning stitches. Paralysis. Lumbago and rheumatic pain in muscles and joints.

Baryta Arsenicosa

MENTAL SYMPTOMS	PHYSICAL SYMPTOMS
<ul style="list-style-type: none"> •The main feeling of Baryta arsenicosa is: "I cannot trust the person on whom I am totally dependent". •He feels lonely yet feels threatened by people, so he cannot trust people though he needs them.[8] 	<ul style="list-style-type: none"> •Chilly patient. •Early senility: very deep seated, chronic, progressive disorders. Diabetes, ulcers, hypertension, etc., coming on at an early age. •Sudden acute manifestations may be found.

BARYTA CARBONICA

MENTAL SYMPTOMS	PHYSICAL SYMPTOMS
<p>Idiotic and foolish ,with loss of memory or deficient intelligence.</p> <ul style="list-style-type: none"> •Childish behaviour in adults. •Mental weakness. Child cannot be taught for he cannot remember. •The patient is irritated and inattentive. •Lack of confidence. •Dread of men, aversion to strangers and society. •Thinking of complains makes them worse. 	<ul style="list-style-type: none"> •Dwarfishness both mental and physical runs through the whole of Baryta carb. •Person who are liable to take cold easily and every cold settles in the throat,resulting in sore throat, tonsillitis,quinsy and other glandular affections need the help of this remedy. •Baldness in young people. •Young people who have masturbated or those who suffer from frequent seminal emission •Diseases of old men usually with enlarged prostate and indurated testes. Premature impotency. Childish old people with hypertension

BARYTA MURIATICUM

MENTAL SYMPTOMS	PHYSICAL SYMPTOMS
<p>Mentally, the Baryta muriaticum person has the same slowness of intellect that one sees in the Carbonica,and is usually shy and socially immature , but not to the same extent as Baryta carbonica.</p>	<p>Induration and narrowing of the cardiac orifice; great epigastric tenderness.</p> <ul style="list-style-type: none"> •Multiple sclerosis of brain and cord. Voluntary muscular power gone but perfectly sensible.

<ul style="list-style-type: none"> •He tends to be more sensitive in both positive and negative senses of the word. •Nymphomania and satyriasis. In every form of mania where the sexual desire is increased. 	<ul style="list-style-type: none"> •Icy coldness of body, with paralysis. Paresis after influenza and diphtheria. •Induration of pancreas; abdominal aneurysm. •Arteriosclerosis where a high systolic pressure with a comparatively low diastolic tension is attended by cerebral and cardiac symptoms.
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BARYTA IODATA^[7]

It has been used empirically , especially in cases of glandular enlargement and new growths, on indications suggested by its two elements.

- Indurated glands especially tonsils and breasts.
- Acts on the lymphatic system, increased leucocytosis.
- Strumous ophthalmia with tumefaction of cervical glands and stunted growth.
- Quinsy.

BARYTA PHOSPHORICA^[8]

- The main feeling of Baryta Phosphorica is : “I am unloved and uncared for, or I am treated indifferently by the person I am totally dependent on (because of my incapacity to stand on my own feet)”.
- Right sided complains
- Swollen glands and cancer of the glands
- Chilly
- Desire -sweets

BARYTA SULPHURICA [8]

MENTAL SYMPTOMS	PHYSICAL SYMPTOMS
He feels that others avoid him. He feels neglected and weeps and broods about it. His memory is weak. There is also aversion to work, loss of will and weeping. The dreams are anxious and frightful	Cannot bear hunger. Craving: salt, sour, pickles. Desire for open air which ameliorates Cold hands and feet

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