

Bio-Molecular Medicine - The modern curative.

### **abstract**

The health care and medical research is very age old as per the Indian system of medicine and Greek medicine , which has moved forward into many branches and most latest is Bio-molecular medicine.

The reason for development of Bio- molecular medicine is accuracy in diagnosis and remedy without any side effects. People would prefer to have Bio derived products to synthetic products.

The past era had so many synthetic compounds which have resulted in management of diseases rather than being curative and the final solution for an ailment.dr

The paper on Bio-Molecular medicine discusses upon finding curative principles without disturbing the bio chemistry of the patient and targeting the medicine reach to the organ or tissue rather than disturbing digestive and circulatory system on large and regular scale

Molecular medicine is a broad field where physical, chemical, biological and medical techniques are used to describe molecular structures and mechanism, identify fundamental molecular and genetic errors of disease and to develop molecular interventions to correct them.

The molecular medicine perspective emphasis cellular and molecular phenomenon and interventions rather than the present concept of observation of focus points in patients and their organs.(1)

In nov 1949 in a seminal paper " sickle cell anaemia- a molecular disease "(2) published in science magazine by Linus panting,Harvey Itano and their collaborators laid the foundation and ground work for establishing the field of molecular medicine

In the year 1980 Yeit Wai Kan (3)suggested a prenatal genetic test for Thallesemia that did not rely upon DNA sequencing then in its infancy but on restricted enzymes that cut DNA where they recognised specific short sequences, creating different lengths of DNA strands depending on which allele( genetic variation) the fetus processed.

Molecular diagnostics uses biological assays su h as PCR- Elisa or Fluorescence in situ hybridisation (4). The assay detects a molecule often in low concentrations that is a marker of disease or risk in a sample taken from a patient.

It is very important to develop a hand held device to understand the molecular changes occurring in a patient during affect of an infectious or genetic disease.

The Bio- chemistry of human body is often being corrected by infusion of chemical compounds by oral infusion which will have its impact on entire bidy and all the systems.

The symptoms are to be corroborated with the systemic disorder , to rectify the cause of disease and provide remedy to the symptoms which is other wise today where in the symptoms are studied diagnosed and symptomatic treatment is offered.

The synthetic chemicals in oral medication often cause side effects because it is not working only at the site of disease but travels from digestive system through circulatory by which the efficacy is lost and over dose affects the rest of hormone and cause chemical imbalance.

As it is a well known fact that the diseases mankind is affected are growing and the disorders have to be cured if not prevented. The present day medication is able to control diseases but unable to prevent and provide complete cure.

The medication system is aimed at providing symptomatic relief but not curing completely. It is also blamed for side effects the chemicals cause.

Hence it has become imperative to invent a medical system which will provide cure with efficacy and with minimum side effects if not no side effects.

The best methodology was to develop a medical system which is Bio- molecular based to enable better cure and least side effects.

We have observed that geraniol can cause vaso- constriction which is very essential in all peripheral neuropathy cases and extracted geraniol from herbal sources through steam distillation process which will only extract active ingredient without alkaloids and have blended it with other active molecules like linalool acetate again extracted from herbal sources in the similar process and when applied upon the affected part the results are excellent.

Similarly when we have extracted melatonin from santallic acid and combined with linalil and applied upon peripheral vessels it is found to be of good efficacy inhibiting the lipid peroxidation a better methodology to reduce LDL cholesterol without disturbing HDL thus providing the sufficient lubrication to the heart and removing cholesterol blocks simultaneously reducing the stenosis effect. The active molecules being extracted from herbal sources rather than synthetically developed has helped in treatment without causing side effects.

Bio- molecular medicine has proven to be a better medical management because the molecules which have the efficacy to provide treatment for the ailment are studied and extracted from bio sources and are applied upon such parts which allow penetration into the body and cure the systemic disorder rather than providing symptomatic relief which is temporary.

The Bio- molecular medicine developed is generally a topical application which penetrates and corrects the molecular disturbance at genetic and bio- chemical levels, without interfering with other organs of the patient.

Let us examine the most prevalent disease of diabetes , the molecular disturbance at the gene level inhibits the pancreatic performance by destruction of beta cells in the pancreas, where as by topically applying bio- molecular extracts upon the pancreatic area the infusion of molecules are direct in situ and slowly correct the molecular malfunction and enhance the performance of beta cells and insulin production can be enhanced.

There is a study which confirms the release of acth due to stress and this secretion is insulin inhibiting. The bio- molecular extract when applied upon the neck had resulted in redressal of stiff neck and as well reduce the release of insulin inhibiting hormone, which helped in enhancing the performance of insulin in the patient.

Hence molecules extracted from various herbs which have the capacity to rectify the molecular deficiencies

either genetic or chemical. The extraction of molecules have to be further developed from existing methodologies where in the purified molecule is extracted and blended with the other complimenting bio molecules.

### **References**

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