



MYCOBACTERIUM TUBERCULOSIS IS SELF LIMITING: ERADICATION BY BCG VACCINE TO ALL IRRESPECTIVE OF THE DISEASE STATUS

Author: Anil Kumar Jain, Ghaziabad, INDIA

Abstract: Mycobacterium Tuberculosis Is present among 85% Population of India BCG Vaccine is the attenuated Bacterial Vaccine Multidrug resistance or the fulmination of the Dormant State or the recurrence in immunocompromise patient compiling towards the multiplication (Aggressive phenomenon) toward attenuation is the disease self-limiting BCG Vaccine is the major Threshold in eradication of Tuberculosis

Keywords : BCG Vaccine Dormant State immunocompromise patient MDR

Tuberculosis Pandemic is observed in the low Economic group of the society spread is through Sputum or the Direct spread upto 3 meter by Coughing general population resist a lot ratio 10:1 Resistance is found in most of the people for Protection.

The group of Multidrug resistance even with complete therapy and with complete treatment.

Now a days we are giving irregularly regular therapy also in immunocompromise patient we find recurrence Diabetic patients with complete therapy are still vulnerable.

Primary Complex is almost always limiting.

Cotton wool appearance in HIV positive patients is almost always death 'rewarding'.

Multiple organ involvement particularly Bony always need prolonged treatment. Renal involvement with Hematuria Biopsy do play some part in diagnosis Ovarian Tuberculosis is the leading cause of Sterility Tubercular meningitis though curable has deforming pressure symptoms most of the people relieve their symptoms with first line of therapy with irregularly regular weekly or bi weekly 1st line of therapy. MDR treatment with 6th line therapy is almost always lethal expansive and difficult to diagnose if chest not evolve.

Since time immortal Tuberculosis is called the Rajrog people coughing out blood were put in Sanatorium mostly improved some expired we find some glimpses in Hindu Rao Hospital people suffering from Milch man disease never contracted Tuberculosis lead to the concept of BCG Vaccine (Bacillus Calmette Guerin) with the invention of antimicrobial treatment Streptomycin Isoniazid PAS put the era of Sanatorium on hold limiting to TB ward of big hospitals used to be discharged after symptoms free or Sputum negative. We give BCG Vaccine at birth but few among those not vaccinated got infection may or may not got treatment some expired other left with remanent as Primery Complex for life long.

Introduction of Rifampicin made the major impact but the multiplication of Mycobacterium Tuberculosis continued resistance to drug went on increasing Multidrug resistance developing, survival are those naturally infested but not infected or those BCG Vaccinated.

Lesions of Mycobacterium Tuberculosis is a sort of hypersensitivity reaction forming. Caseation and fibrous sheath around these lesions coalesce forming big Cavities in process coughing out blood leading to anemia reduce oxygenation.

Multiorgan involvement occur through blood spread.

100 million children get BCG Jab every year Robert Koch first identify the Mycobacterium Tuberculosis as the cause of Tuberculosis. In 1904 Calmette Isolated Mycobacterium vovin from Cow milk which seemed to be as distrust as the human one after 15 years effort they extract weaker strain which was used to protect the large number of people.

Other Uses of BCG Offer some protection in Leprosy damaging effect on nerves eye and respiratory tract. Buruli ulcer is the painless ulcer. Used in early stages of Bladder cancer. Potential Therapy of Colorectal cancer and 2nd stage of colon cancer. Potential treatment for autoimmune disease like Diabetes reducing HbA1C BCG Vaccine can be repurpose to protect Covid 19 reduce the risk of sever lung damage.

CONCLUSION: BCG Vaccine To All Irrespective of the tuberculosis infection Status Can Eradicate Tuberculosis by Accelerating The Growth of the Attenuated Bac

