

Intra-Dermal Anti-Rabies Vaccination

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Background

- 17 million bites in India.
- 20,000 deaths annually.
- In India Andaman-Nicobar and Lakshadweep are free of rabies

What is Rabies?

- Rabies is practically 100% fatal disease.
- There are only 4 survivors who recovered following intensive life support.
- Rabies can be prevented by pre-exposure or post-exposure prophylaxis.
- Thorough wound wash, correct use of vaccines and rabies immunoglobulins, rabies is preventable.

Treatment

- The most common regimen followed is Intramuscular regimen whereas five I/M injections are given at a price of Rs. 2250/- per course.
- The new intra-dermal (I/D) regimen costs only Rs. 370/- per course and two injections of 0.1ml are given at 0,3,7 and 28 days with 40 units insulin syringe.

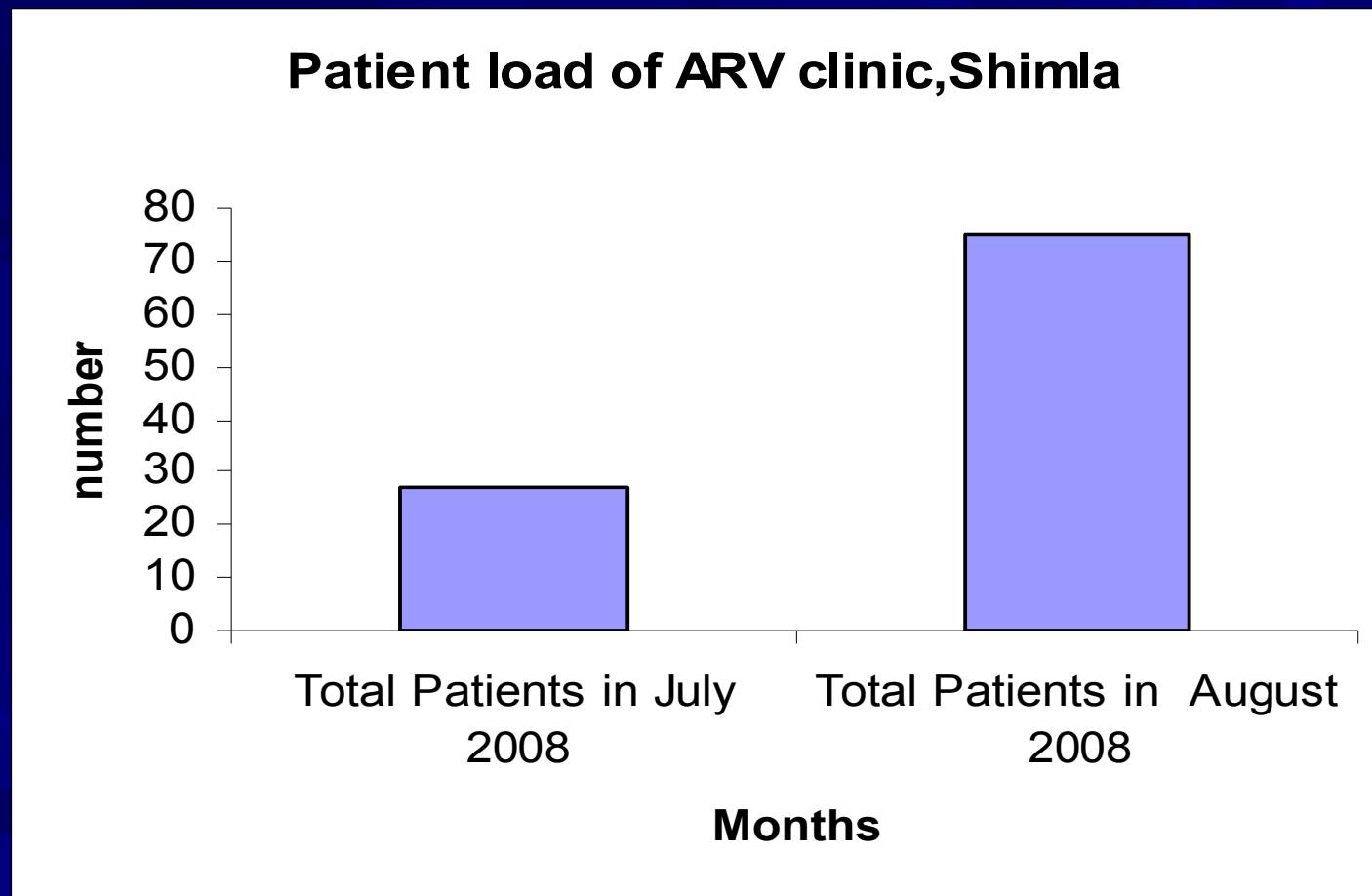
Intra-dermal Vaccines Approved by DCGI

- Rabipur (PCEC), 1ml.
- Viorab (PVRV), 0.5 ml.
- Abhayrab (PVRV), 0.5 ml.
- PII, Coonoor (PVRV), 1ml.

Results of Experiments at D.D.U.shimla

- Started on August 2, 2008.
- Till date more than 1000 dog bite victims treated with this low cost treatment.
- Rupees 15 Lakh of the poor patients and the government saved in just four months.
- Crores of Rupees will be saved in years to come as a new way of Rabies treatment becomes a routine.

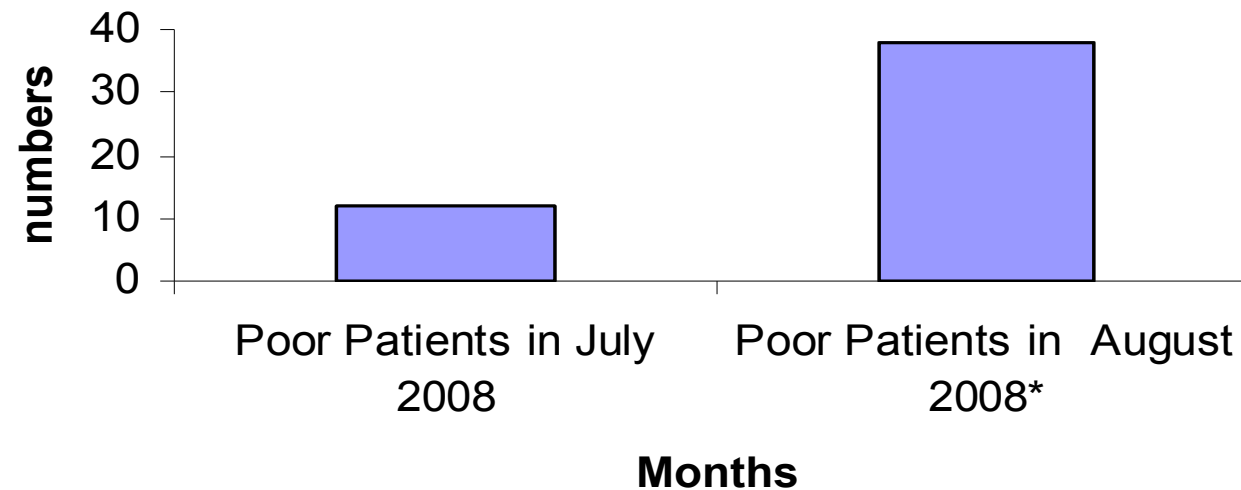
Patient Load of ARV clinic Shimla, Before and After I/D Clinic



Poor Patients Benefited

* does not include 255 poor patients of outreach camp

Poor patients benefited before and after the I/D clinic



Next Steps

- Ours is a first I/D Clinic in North India.
- By the year end we would have functional clinics in all districts, already two more districts started I/D ARV are Una and Chamba.
- The objective is a functional I/D clinic up to subdivision level, (CHC).
- The BCG technicians needs to be trained as they are not necessarily proficient in I/D technique as expected.
- BCG syringes are not good to give I/D ARV.

Company Assurance



Chiron Behring Vaccines Private Limited

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H-41/2008
25th November, 2008

Director Health Services
Himachal Pradesh
SHIMLA

Re : **Intra Dermal / Intra Muscular use of Rabipur**

This is to inform you that intramuscular injection is also used for Intra Dermal purpose.

The vaccine which is used for IM administration can also be used for ID administration. As you may be aware, we have IM injection for the doctors in the private trade sector. And for the hospital who would like to use ID preparation, we have amended the label and package insert of this vials by putting IM/ID on the labels and the package insert. This exclusive IM/ID pack will be supplied at your request to chemist attached to the Hospital.

Thanking you,

Yours faithfully,
For CHIRON BEHRING VACCINES PVT. LTD.

A handwritten signature in black ink, appearing to read 'Omesh Bharti', written over a horizontal line.

AUTHORISED SIGNATORY

OMESH BHARTI

THANK YOU!

OMESH BHARTI