

# EFFECT OF ARN. MONT. – A HOMOEOPATHIC MEDICINE FOR POST OPERATIVE MANAGEMENT OF THE EXTRACTION OF TEETH

## INTRODUCTION:

The extraction of teeth is a surgical operation involving bony and soft tissues of the oral cavity. Heavy precautionary measures are essential while going for an extraction of tooth because oral cavity / field of operation is flooded with saliva which is an abode for a good variety of microorganisms. Oral cavity has communication to G.I. tract and respiratory tract and there is all possibilities of involving cardiovascular system through often blood vessels after extraction. Due to excess blood loss the nervous system may participate resulting in to shock. Hence due to the extraction of teeth the above vital systems of human body may sympathise by endangering the life of man.

A dental surgeon goes for extraction of teeth when he confirms following conditions:

- a) Teeth those are hopelessly carious.
- b) Teeth with non vital pulp / acute or chronic pulpitis when rout cacal surgery is not indicated.
- c) In case of periodontoclasia in which excessive bony support is destroyed.
- d) Teeth not treatable by apicectomy.
- e) Teeth mechanically interfering with the placement of restorative appliances.
- f) Teeth not restorable by operative dentistry.
- g) Impacted teeth and unerupted teeth.
- h) Supernumerary teeth.
- i) Retained primary teeth when a permanent teeth is present and in normal position to erupt.
- j) Teeth with fractured roots.
- k) Malposed teeth not amenable to orthodontic treatment.
- l) Roots and fragments.
- m) Teeth that are traumatizing soft tissues of other treatment will not prevent this trauma.
- n) Teeth should be extracted and very extensive alveolectomy performed before radiation therapy for oral malignancy.

Before going for a dental operation one must be confirm in following conditions of a patient:

- Cardiac Disease
  - Rheumatic Heart Disease .
    - Subacute Bacterial Endocarditis
    - Patient on Anti Co- agulant Therapy
- Blood Dyscrasias
  - Anaemia
  - Leukaemia
  - Haemorrhagic Purpura

□ Haemophilia

- Diabetes
- Nephritis
- Toxic Goiter
- Jaundice
- Cortico steroid therapy
- Syphilis
- During Pregnancy
- Acute gingival infection
- pericoronal infection
- Acute maxillary sinusitis

After ruling out the contraindications to the proposed oral surgery the next problem in the selection of the anaesthetic agent and technique which is determined by involving to patient's physical condition of the operative site, the place of operation, desire of the patient etc.

In a plan operation, premedication prior to a local anaesthetic. is usually given to:

1. allay fear and apprehensions
2. Ralse the pain thresnold

After the oral surgery one has to look for bleeding immediately and lasts on post operative case is to be emphasize on followings:

- Bleeding
- Discolouration
- Pain
- Swelling and Stiffness
- Sharpbony Projection
- Oral Hygenic
- Elimination

It is thought breaking thought provoking and challenging too thatis how to combact above complaints with Homoeopathic drugs. Our Homoeopathic literature speaks high of about Arn. mont as regards to its

- Anti haemorrhagic
- Anti Inflammatory
- Analgesic properties.

Let us now review the literature in favour of Arn. Mont.

Arn. Mont. belongs to compositac family. It contains an essential oil in small quantity, a resinous matter called arcinin (C<sub>12</sub> H<sub>12</sub>) a yellow crystalline substance(2).

Arn. Mont. is useful for bloody expectoration. It has great use for cerebral haemorrhage, retinal haemorrhage. It expedites absorption of clots, It cures epistaxis, is indicated in haemoptysis (3). Regarding the action of the drug Dr. E.A. Farrington has told that to understand Arnica property as a whole you must know that it effects the blood vessels. Exactly how it does, this i can hardly tell you, for it is not clearly defined in my mind, but the result i can tell you, It so effects the walls of the blood vessels particularly of the capillaries that dilatation of the small blood vessels and extravasation of blood becomes possible. This weakening of the capillary wall admits the extravasation of blood explains the applicability of Arnica to trauma. There seems to be venous stasis producing an extravasation of blood. This form of oozing cannot occur from a healthy vessel, Arnica montana effects the venous system Inducing syasis, ecchymosis, haemorrhages relaxed blood vessels and tendency to bleed.

Arnica Mont, is given as preventive against boils.

Arn. Mont. causes and cures haemorrhages of many kinds, dilation and ruptur of small blood vessels, vomiting, coughing, purging accompanied by streaks of blood, extravasation of blood into conjunctiva as in whooping caught haemorrhages into the tissues of Internationl oragans or the skins.

Author has shown in an vitro experiment has shown that Arn. Mont. Q has the faculty of decreasing both B.T and C.T Author has shown In another experiment in vivo that, Arn. mont Q has action to reduce B.T. & C.T. in healthy person.

Arn. Mont. Q has shown action specially reducing B.T. but no action on C.T.

Arn Mont-30 has shown the property of decreasing C.T. but no action on B. T

### **Aim and Objective:**

Considering all above facts a prospective study was made on objective to find out the effectiveness of Arn. Mont.Q, 6,30, and 200 in the manage ment of post operative treatment of teeth extraction.

### **Methodology:**

With the following parameters, the statistical data were prepared.

### **Positive**

- a. Cure
  - No bleeding after extraction
  - No discolouration after extraction
  - No pain following extraction
  - No swelling/ stiffness following extraction.
- b. Improvement
  - No bleeding/ mild bleeding, or
  - No discolouration/ mild discolouration, or
  - No Pain/ mild pain following extraction, or
  - No swelling or stiffness/ mild swelling, or following extraction

### **Negative**

- a. Partial improvement
  - Moderate bleeding /severe bleeding, or
  - Moderate discolouration/severe discolouration, or
  - Moderate pain/severe pain, or
  - Moderate swelling or stiffness/severe stiffness or swelling.
- b. No improvement.  
No response even after resonable period of treatment
- c. Dropped out - Not retained under treatment.

### **Doses Scheduled and Repetition**

1. Arnica Montana- Q  
15 drops, 6 hourly for 5 to 10 days according to its necessity.
2. Arnica Montana- 6  
I drop, 6 hourly for 5-10 days according to its necessity.
3. Arnica Montana- 30  
I drop, 6 hourly for 5-10 days according to its necessity.

**Result : Response with Arnica Mont, Q, 6, 30**

Total Number of cases Treated from 1979-85	Number of cases				
	Cured	Improved	Improved partially	Not improved	Dropped out
102	57	23	10	5	7

**Response with Different Potencies Of Arnica Mont.**

Potencies	Positive Response	Negative Response
Q	34	0
6	24	10
30	22	12

**Result Analysis**

Response	Cured	Improved	Improved Partially	Not Improved	Dropped Out	Total
Positive	57	23	–	–	–	80
Negative	–		10	5	7	22

**Percentage of Response**

Response	Cured	Improved	Improvd	Not	Dropped	Total
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			Partially	Improved	Out	
Positive	55.83	22.57	–	–	–	78.4
Negative	–	–	9.84	4.95	6.81	21.6

**Percentage Result of Different Potencies of Arnica Mont.**

Potencies	Positive	Negative
Q	100	x
6	70.58	29.42
30	64.70	35.30

Results as regards positive and negative responses were processed for statistical significance. It was found that the positive response was "statistically significant." Similarly, the results obtained from different potencies were processed for statistical significance. It was found that

- Arnica Mont. Q result is statistically significant.
- Arnica Mont. 6 result is statistically significant.
- Arnica Mont. 30 result is statistically significant.

**CONCLUSION:**

From the above study, it is envisaged that Arnica Mont. has the role to play in controlling haemorrhages, compacting infection, eliminating the stiffness & swelling, aborting pain, and etc.

If we look to the result of all these potencies, we visualise that Arnica Mont. Q has the 100 per cent success and highest effectiveness over all other potencies. Hence, we can safely prescribe Arnica Mont. Q, 15 drops 6 hourly for 5-10 days in order to achieve the desired effect after extraction of teeth.

**BIBLIOGRAPHY**

1. Harry. w oral surgery - .

A step by step atlas of operative techniques, w.s. saunders company philadelphia and London Chapter the extraction of teeth p.1 - 1098.

2. Encyclopedia Britanica Vol.2 Inc. Cycleopedia Britanica Ltd. Chicago.
3. Tyler, M.L Homoeopathic Drug Picut. B. jain Publisher p.86-89.
4. Ferrington, E.A clinical Materic Medica, B. jain publisher.
5. Boerieke, W, pocket mannual of Homoeopathic meteria media M.B.X Co. Pvt. Ltd.p.76.
6. Allen T.F The Encyclopedia pura Material Media Vol.I.B. jain Publisher.
7. Clerks J.H.A Dictionary of Parctical Meteri Medica B. Jain Publisher p.111.
8. Mohanty N. An in- vitro study of the styptical effects of few homoeopathic mother tinctures. Proc. of DOAST, 1984, IIT (Delhi).
9. Mohanty N., An in vivo study of styptic effects of Arnica Mont.-Q,6,30. Proceedings of International Conference on Devlopment of Alternative Safer. Therapetic, 1985. Jawaharlal Nehru Univ., New Delhi.