

"Effect of Arn. Mont.-A Homoeopathic Medicine for Post Operative Management of the Extraction of Teeth"

BY

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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 microorganism. Oral cavity has communication to G. I. tract and respiratory tract and there is all possibility of involving cardiovascular system through open blood vessel after extraction. Due to pain, 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.

Hence a dental Surgeon goes for extraction of teeth when he confirms following conditions :-

- (a) Teeth those are hopelessly carious.
- (b) Teeth with non vital pulps/acute or chronic pulpitis when root canal 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 innormal position to erupt.
- (j) Teeth with fractured roots.
- (k) Malposed teeth not amenable to orthodontic treatment
- (l) Roots and fragments.
- (m) Tooth that is traumatising soft tissues if other treatment will not prevent this trauma
- (n) Teeth should be extracted and very extensive alveoectomy performed before radiation therapy for oral malignancy.

Before going for a dental operation one must be confirmed about following conditions of a patient :-

- Cardiac disease - Rheumatic heart disease
 - Subacute bacterial endocarditis
 - Patient on anti coagulant therapy
- Blood dyscrasias
 - Anaemia
 - Leukemia
 - 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 is the selection of the anaesthetic agent and technique which is determined by involving to patients physical conditions, the ages of the patient, the type or extent of the operation, the 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) Raise the pain threshold.

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

- Bleeding
- Discolouration

- Pain
- Swelling and stiffness
- Sharppony projection
- Oral hygienic
- Diet
- Elimination

It is thought breaking thought provoking and challenging too that is, how to combat 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 composite family. It contains an essential oil in small quantity, a resinous matter called arcinin ($C_{12}H_{12}$) 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 own mind but the results 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 which admits the extravasation of blood explains the applicability of Arnica to trauma. There seems to be a venous stasis producing on extravasation of blood. This form of oozing cannot occur from a healthy vessel. Arnica Montana effects the venous system inducing stasis, occhymosis, 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, dilatation and rupture of small blood vessels, vomiting, coughing, purging accompanied by streaks of blood, extravasation of blood into conjunctiva as in whooping cough haemorrhages into the tissues of internal organs or the skin.

Author has shown in an vitro experiment 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 with an objective to find out this effectiveness of Arn. Mont Q 6,30,200 in the management of post operative treatment of teeth extraction.

Methodology :

With following parameters, the statistical datas were prepared.

(1) 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 stiffness 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 reasonable of treatment

(c) Dropped out-Not retained under our treatment

Patients were treated with following dose schedule and repetition-

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

RESULTS

Results : Response with Arn. Mont. Q,6,30

Total Number of cases treated from 1979-85	Number of cases cured	Number of cases improved	Number of cases improved partially	Number of cases not improved	Number of cases dropped out
102	57	23	10	5	7

Response with different potencies of Arn. Mont.

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

18

Result Analysis :

1. Positive Response :

- a) cured 57
- b) improved 23

Total 80

2. Negative Response

- a) Improved partially - 10
- b) Not improved - 5
- c) Dropped out - 7

Total - 22

1. Positive Response :		
a) % of cases cured		- 55.83
b) % of cases improved		22.57
	Total	78.4

2. Negative Response		
a) % of cases improved partially		- 9.84
b) % of cases not improved		- 4.95
c) % of cases dropped out		- 6.81
	Total	2.16

% result with different potencies of Arn. Mont.

Potencies	Positive	Negative
Q	100%	X
6	70.58	29.42
30	64.70	35.30

Result 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 -Arn. mont Q result is statistically significant -Arn. mont 6 result statistically significant. -Arn. mont 30 result is statistically significant"

Conclusion

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

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

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