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600

278

322

%5-%4

%15-%12

1

1

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## The Relation Between Dental Anesthetic and Puls and Blood Pressure

Haytham Bahah\*

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### Abstract

The purpose of this study was to investigate the relation between dental anesthetic and pulse and blood pressure.

A sample of 600 patients was taken randomly  
(322 males - 278 females).

The research was done on patients by giving dental anesthetic with and without adrenaline .

The results of the study indicated that:

- The heart rate and blood pressure of the patients receiving an injection of xylocaine without adrenaline increased by average of 4% -5% respectively.
  - The heart rate and blood pressure of the patients receiving an injection of xylocain with adrenaline increased by average of 12%-15% respectively.
  - the heart rate and blood pressure were mesured after 15 minutes we found that there was not any change in the value from the previous result.
  - when the heart rate and blood pressurewere mesured after 30 minuts hour we found that:
  - The heart rate and blood pressure returned to the normal value in case an injection without adrenaline .
  - in case an injection with adrenaline the heart rate increase by 1 puls The blood pressure l increased by 1 cm.m.
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**purpose of study :**

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(11).

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**puls :**

(11).

(11).

(11) :

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140-130

90

80

70-60

80-70

60



: - - :  
**blood pressure monitor** : -1  
**model Ws-320** : - - :

." (4) hypotension :  
 -2  
 xylocaine2% :  
 1\80000 - :  
 - -1  
 (11)

**sample** : -2  
 600 (5.7) anesthesia :

45 (7) anesthetic :

(8.9) adrenaline  
 322  
 -20 278

65 **materials and** : **methods**  
 14, 31 **materials** :

|    |     |
|----|-----|
| 45 | 600 |
| 31 | 322 |

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14

278

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:

5

80-70 -1

15-13 -2

-t

-70

78-73 75

220

| 2005 - |     | -    | -     |
|--------|-----|------|-------|
|        |     | -2   | -13   |
| 9      |     |      | 16-14 |
|        | %12 |      |       |
|        | 3   |      | :     |
|        |     | %.15 |       |
|        |     |      | 75-70 |
|        |     |      | 84-79 |
|        |     |      | -2    |
|        |     |      | 18-16 |
|        |     |      | 15-13 |
|        |     | -3   |       |
|        |     | :    |       |
|        |     |      | :     |
|        |     | -4   |       |
|        |     |      | -     |
| 1      |     |      | 1     |
| .      | 1   |      | 1     |
| "      |     | -5   | :     |
|        |     |      | -1    |
|        | 9   |      | 3     |
|        |     |      | %4    |
|        |     | %.5  | 1     |



-6

-3

-7

-8

-4

lus wilson

1999

-5

%8

.(10).%10

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-6

-1

-2



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