

# Juarez Surgery Patients

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# Methodology

- The study was approved by the Texas Tech and the UTEP IRB.
- A signed consent was obtained from each patient.
- Prospective analysis of randomly selected patients scheduled for surgery at FEMAP Hospital In Juarez Mexico between January and April 2002.
- Inclusion criteria: Patients that are more than 18 years of age, scheduled for surgery within the next 24 to 36 hours.
- Exclusion criteria: Emergency surgery
- Patients were interviewed using a 5 page bilingual (Spanish and English) questionnaire to collect data.
- The primary endpoints of this study were
  - A. To establish the frequency of herbal use patterns in patients scheduled for surgery.
  - B. Type of herbal product use in patients scheduled for surgery.
- Secondary endpoints of the this study were
  - A. To establish the actual percentage of patients asked about herbal product use prior to surgery.
  - B. To evaluate and compare patients that presented any form of complications, with herbal product use.

# Surgery Patients (FEMAP)

<b>Gender</b>	<b>Number</b>	<b>Percent</b>
Female	106	94.6
Male	6	5.4
<b>Age (Range)</b>	<b>(Mean)</b>	<b>(Std Deviation)</b>
18-95	3.6	17.2

<b>Birth Place</b>	<b>Number</b>	<b>Percent</b>
Non US born	111	99.1
US born	1	0.9

<b>Ethnicity</b>	<b>Number</b>	<b>Percent</b>
Hisp. Non US born	109	99.1
Hisp. US Born	1	0.9

<b>Income</b>	<b>Number</b>	<b>Percent</b>
<10k	105	95.5
<20K	5	4.6

# Actual Herbal Use (N=112)

Patients use	Number	Percent
Use herbal products	91	81.3
Do not use herbal products	21	18.8
<u>Used within the last month</u>	34	30.4

## Total Instances of Herbal Use (N=188)

	Number	Percent
Instances implicated with adverse reactions	60	31.9
Instances implicated with drug interactions	4	2.1
Instances implicated with disease state	4	2.1
Instances used within a 1 month period	40	21.3

# Herbal Product

Herbal Product	Number	Percent
Chamomile <sup>a</sup>	56	29.8
Peppermint	11	5.9
Aloe Vera	8	4.3
Cinnamon	5	2.7
Orange Tree Flower	5	2.7
Cactus	4	2.1
Fibra Kania	4	2.1
Garlic <sup>a,b,c</sup>	4	2.1
Te Limon	4	2.1
Cat's Claw	3	1.6
Fiber	3	1.6
Linden Tree Flower	3	1.6
Palo Azul	3	1.6
Anise	2	1.0
Bay Laurel	2	1.0
Cascara Sagrada	2	1.0
Herbal Tablets	2	1.0
Herbalife	2	1.0
Laurel	2	1.0

# Herbal Product

Herbal Product	Number	Percent
Lime	2	1.0
Orégano	2	1.0
Rue <sup>a</sup>	2	1.0
Serra	2	1.0
Unknown Composite	2	1.0
Vitamins	2	1.0
Alfalfa	1	0.5
Apple	1	0.5
Apple Diet	1	0.5
Arnica	1	0.5
Artisan	1	0.5
Boldo	1	0.5
Calcium	1	0.5
Cocolmecca	1	0.5
Colloidal Silver	1	0.5
Comino	1	0.5
Connsilies	1	0.5
Copalovin	1	0.5
Corn Silk	1	0.5
Damiana	1	0.5
Diet Drink	1	0.5

# Herbal Product

Herbal Product	Number	Percent
Donadilla	1	0.5
Eucalyptus	1	0.5
Florescence	1	0.5
Foot Fungus	1	0.5
Forever	1	0.5
Fulmin Ganin	1	0.5
Fulmina Grasa	1	0.5
Herbal Capsule	1	0.5
Herbal Tea	1	0.5
Herbal Wonder	1	0.5
Hierba de la Go	1	0.5
Laxative pills	1	0.5
Lecithin	1	0.5
Matol	1	0.5
Mineral Oil	1	0.5
Mint	1	0.5
Mint essential	1	0.5
Mullein Plant <sup>a</sup>	1	0.5
Noni (Morinda)	1	0.5
Nupro	1	0.5
Nutricolon	1	0.5

# Herbal Product

Herbal Product	Number	Percent
Poleo	1	0.5
Pollen	1	0.5
Psyllium	1	0.5
Raiz de China	1	0.5
Salvilla	1	0.5
Te 7 Azahares	1	0.5
Te Milagro	1	0.5
Te de Indio	1	0.5
Tejocote	1	0.5
Tlanchalnavá	1	0.5
Unspecified	1	0.5
Valerian <sup>b</sup>	1	0.5
Vit E	1	0.5
Wererr	1	0.5
Wormwood <sup>a</sup>	1	0.5

a-Herbal products that have been implicated with adverse reactions.

b-Herbal products that have been implicated with drug interactions.

c-Herbal products that could interact with a disease state.



# Results

Did it work	Number	Percent
5	90	48.7
4	65	35.1
3	12	6.5
2	2	1.0
1	16	8.7

*Scale ( 1= Did not work → 5= Worked very well)*

How did you learn	Number	Percent
Relative	118	63.4
Friend	23	12.4
Cam Provider	22	11.8
Advertisement	8	4.3
Conv. Provider	6	3.2
Publication	5	2.7
Pharmacy	3	1.6
Other	1	0.5

Where did you obtain	Number	Percent
Mexico	172	93.0
USA	7	3.8
Own Source	6	3.2

# Results

(N=112)

## Herbal Use

### Inquiry

No

Number

112

Percent

100

Yes

0

# (N=188)

## Informed

### Physician

No

Number

174

Percent

92.5

Yes

14

7.1

## Did it

### harm you

No

Number

184

Percent

97.9

Yes

4

2.0