PROPOLIS AND CANCER

An Alternative and Supplemental Therapy

CMAC 2010
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Anti-cytogenesis

Anti-oxidative and Radio-protective Qualities

Several studies in which highly carcinogenic agents introduced to mice with pretreatment of propolis and without

Pretreated mice developed cancer at dramatically lower rate
Fig. 1-8. Inhibition of liver cancer induction by propolis
Stimulation of Immune System

Immune system 1st line of defense against cancer

Strong immune response critical at all stages of cancer recovery

Conventional cancer treatments severely challenge immune systems

Propolis strengthens immune system
Significant research supporting propolis as agent for:

Apoptosis or arresting the growth of tumor tissues

Cytoxicity/tumoricidal activity – killing cancerous cells
Cancer Research on Propolis Origins

Bee products are significant to the economies and cultures of many cultures

Funding available for local product research

In aggregate, studies demonstrate efficacy of propolis in general
Cancer Research on Propolis Components

Sizable portion of research on isolated components of propolis

Based on the ‘active ingredient’ model

Most commonly on artepillan, CAPE, and quercetin
Limitations of Component Research

The components are not practically available

and/or

They have not been found to be more efficacious than whole propolis

The research primarily serves pharmaceutical development or marketing
Propolis Treatment of Cancer

Clinical treatment poorly represented in literature

Limited to a few case studies

Protocol sketchy or incomplete
Fig. 3-11. Cervical cancer cells

a. Before treatment with propolis. Keratinizing atypical cells were detectable.

b. After topical application of propolis. Abnormal cells have disappeared.
Fig. 3-4. Pulmonary metastases of colon cancer

Upper before with propolis treatment
Lower After treatment with propolis
Propolis as Preventative

Research indicates relatively small regular doses may be effective

Desirable with family or personal cancer history

With chronic exposure to carcinogens or high risk circumstance
Propolis as Adjuvant Treatment

Propolis treatment supplements conventional surgical, chemo, or radiation treatments.

Ethical & responsible approach

Recommended by researchers & physicians
Propolis as Primary Treatment

Considered

When no conventional options offered

When no conventional options are acceptable to patient

Raises issues of clarity of roles, relationships, and responsibilities
A Protocol for Treatment

Propolis: My proprietary preparation of whole propolis and water

Daily dosage: 1 Fl Oz/30ml equivalent to 8 grams crude propolis

Dosing: 1/3 daily dose every 8 hours

Conditions: can be with small volume food but 1 hour separated from meals
Desirable Protocol Additions

Pollen

Honey

Bee Venon

Undetermined Issues

Volume

Quality

Dosing
Standards of Treatment
Success

Goals

Improvement of quality/duration of life

Arrest of tumor growth or disease progression

Tumor reduction/elimination

Other patient defined goals
Clinical Assessment: Systematic Tracking

Without consistent records there is no possibility of assessment

Developing a schedule of history taking and treatment progression
Clinical Assessment: Difficulties

Was the protocol followed?

To what degree was it followed?

Propolis’ contribution relative to conventional treatment

What other complimentary therapies were coincident?
A Case Study

Patient is woman in mid eighties diagnosed with pancreatic cancer

Occasion of diagnosis was treatment of jaundice with discovery of bile duct blocked by pancreatic tumor

Condition at diagnosis was extreme weight loss and extreme low vitality
A Case Study

No conventional treatment deemed possible

Treatment with propolis at 2/3\textsuperscript{rd} protocol dosage begun in August 2008 + honey and pollen

Propolis increased to full protocol, November 2008
Case Study

Table of weights  Normal weight 50 Kg

50,000
49,500
49,000
48,500
48,000
47,500
47,000
46,500
46,000
45,500
45,000
44,500
44,000
43,500
43,000
42,500
42,000

Diagram dates:
- Diagnosis made on 07/09
- Hospitalized from 07/21 to 08/08
- Food poisoning?
- Treatment with green propolis begins: 20 gm/day q4h 0700h, 1500h, 2300h
- Blood results normalized

Date Range:
- 08/01/07 to 10/18/09

Weights:
- 50.50, 50.20, 49.10, 47.60, 45.10, 42.40, 48.10, 48.20, 48.00, 47.70, 47.70, 48.00, 48.00, 48.00, 48.00

Legend:
- X
Case Study

Success standard of treatment to date

Quality and duration of life improved from original expectation

Tumor growth arrested

No noticeable reduction in tumor
Thank you!

The End