



**Important:** In observance of HIPAA and the sacred trust between care giver and patient, absolutely no patient names or identifying information is to be disclosed. Patient privacy is to be preserved. If you attach any medical records, pathology, surgical or laboratory reports, all names are to be removed.

<b>Date</b>	
<b>Clinician Name &amp; Credentials</b>	
<b>Email</b>	

**Describe Your Patient** (Please SUMMARIZE and use economy of words. You will have 15 minutes to present)

<b>Age, Gender &amp; Ethnicity</b>	
<b>Body Type</b>	
<b>Values</b> <i>What is most important to this patient? (Quality of Life, Decision Making, Side Effects?)</i>	
<b>Stress Resilience</b>	
<b>Other</b>	
<b>Primary Diagnosis &amp; Date</b> <i>(ex. Breast Cancer L, T3 N1 M0, BRCA1 positive, grade 3, Ki67 &gt; 45%)</i>	
<b>Secondary Diagnosis</b> <i>(ex. Diabetes Type 2, Obesity)</i>	

**Patient Status**

<input type="checkbox"/> New Diagnosis <input type="checkbox"/> Recurrence <input type="checkbox"/> In Treatment <input type="checkbox"/> In Recovery <input type="checkbox"/> In Remission <input type="checkbox"/> At Risk	
<b>Concomitant and/or Complicating Factors</b> <i>(ex: poorly controlled diabetes, insomnia, poor support system)</i>	
<b>Adverse Effects of Cancer or Cancer Treatments</b> <i>(ex. anxiety-depression, diarrhea, peripheral neuropathy)</i>	
<b>Relevant Laboratory, Pathology &amp; Medical Reports</b> <i>(attach a PDF with patient identifying information removed or summarize)</i>	



### Brief Summary of Recent History

### Brief Summary of Additional Relevant Health, Medical, Psycho-Social and/or Family History

### Other Relevant Information

Such as Chinese or Ayurvedic diagnosis, Naturopathic/Homeopathic Information, etc. (*ex. Liver Qi Stagnation, Dysbiosis*)

### Brief Summary of Relevant Past Oncology or Medical Treatments

(*ex. surgery, radiotherapy, chemotherapy, immunotherapy, hormone therapy, drug therapy*)

### Summary of Recent and Current Treatments

Medical Oncology Care (*surgery, radiotherapy, chemotherapy, immunotherapy, hormone therapy, drug therapy*)

Integrative Oncology Care (*nutraceutical, botanical, phytochemical, acupuncture, energy medicine, other*)

### Your 2 Core Questions (stated clearly and succinctly)

1.

2.

### Attached Medical Records for Reference (with patient identifying information removed)



Case Study from S Shahab  
Multiple Myeloma

09.30.17

**Studies show that early intervention is preferable** to waiting and watching a smoldering MM  
Revlimid + Dexamethasone  
and/or Velcade(no green tea with Velcade)

Manage Inflammation  
Bone Health  
Hypercoagulation  
NFkB and AKT pathways

**Active agents**

Sulphoraphanes Broccoprotect 2/2x/day  
Low Dose DHEA 5-25 mg q am  
Licorice Root extract 2 teaspoons daily (Gan Cao)  
Ursolic Acid (Oldenlandia/Hedyotis, Sage, Rosemary)  
ursolic acid, found in basil, apples, prunes, and cranberries, for its ability to suppress  
STAT3 activation.  
Pure Honokiol (magnolia bark) 3 caps x day  
Vitamin D 75  
Berberine 500mg tid  
Ganoderma  
Isatis Ban Lan Gen  
Curcumin

Hypercoagulation

Omega 3 FA  
Curcumin  
Salvia Milthiorrhiza Dan Shen 2 teaspoons dailiy  
Proteolytic enzymes (Wobenzyme or similar)

Clinical Synergy Modified Citrus Pectin 1 5g scoop 3x.day

Protect bones  
Osteoben 2/2x/day  
Restore Right+Psoralea+Epimedium+White Peony

Adaptogen  
Natura Health Products POWER ADAPT 1 teaspoon twice daily

Custom Tonic (TBD) 1 teaspoon 2x/day  
Magnolia



Rabdosia  
Licorice Root  
Green Tea (if not on Velcade)  
Astragalus  
Ganoderma  
Chaga  
Cordyceps  
Scutellaria baicalensis  
Ashwaganda  
Milk Thistle  
Ginger  
Schisandra  
Lycium  
Tang Kuei  
Gotu Kola  
Licorice Root  
Dan Shen Salvia milt.

## SCHEMA OF PATHOPHYSIOLOGY

Plasma cells \* usually in the bone marrow (myeloma) but can also be extra-medullary

Skeletal Finding: \* solitary or multiple osteolytic lesions  
associated effects \* diffuse osteoporosis  
of bone \* elevated serum calcium  
destruction \* hypercalciuria  
\* loss of height

extra skeletal myeloma (i.e.. outside bone) \* most commonly in head/neck area, e.g. nasopharynx., Also found in liver, kidneys and other soft tissues

peripheral blood \* anemia, abnormal clotting  
\* leukopenia, thrombocytopenia  
\* plasma cell leukemia  
\* circulating monoclonal B lymphocytes

\* hyperproteinemia 80-150 gr/l



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- |                              |   |
|------------------------------|---|
| plasma<br>protein<br>changes | <ul style="list-style-type: none"> <li>* hypervolemia</li> <li>* monoclonal immunoglobulins (IgG, IgD, IgA, IgM, IgD, light chains)</li> <li>* amyloidosis</li> <li>* narrowed anion gap</li> <li>* elevated serum B-2-microglobulin</li> <li>* decreased serum albumin</li> <li>* elevated serum Il-6 and C.R.P. (C - reactive protein)</li> </ul> |
| kidney<br>abnormalities      | <ul style="list-style-type: none"> <li>* proteinuria, casts, without leucocytes or erythrocytes</li> <li>* tubular dysfunction with acidosis and uremia</li> </ul>  |

Of myeloma patients, 93% have multiple bone lesions and 3% have only one lesion. The remaining 4% who have only extra-skeletal lesions represent a sub-group with distinct disease and treatment characteristics; this sub-group will not be dealt within the context of this booklet.

Types of Monoclonal Proteins (M-components) Percentages/Totals

Serum types:

IgG	52
	21
IgA	
	75%
IgD	2
IgE	<0.01

Urine (Bence Jones only) types K (Kappa) L (lambda)	11%
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H chains (G or A) only	<1
	<1

2 or more monoclonal paraproteins



2%

no monoclonal paraprotein 1

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\*IgM 12%

\*IgM (rarely myeloma) typically associated with Waldenstroms macroglobulinemia rather than myeloma.

Source: Data on 1,827 myeloma patients, collected and analyzed by Pruzanski and Ogryzlo, 1970.

The plasma volume rises due to the elevated total serum protein content. It can cause pseudo hyponatraemia (low serum sodium) and narrowed anion gap. High concentrations of myeloma protein can give a clinical "hyperviscosity syndrome."