1. My Initial Support Protocol
2. Natural Aromatase Inhibitors
3. Cancer Markers and associated supplements
	1. NFKB
	2. COX-2
	3. mTOR
	4. VEGF
	5. PARP
4. Cancer Stem Cell Specifics
5. Prayer of Father Rookey
6. Oil of Anointment prayer
7. BOOK REFERENCES

The following considerations are **only when these are not contraindicated, and under the guidance of a qualified healthcare practitioner**; visit [www.mederifoundation.org](http://www.mederifoundation.org) for practitioners to consider who can help with appropriate dosing. Natura Health Products (NHP) owned by the top botanical expert Donnie Yance, has products tailored for cancer;

**Initial Protocol to Consider**

Vitamin D-A-K (NHP)

Zinc naturized 25mg (NHP)

Complete Omega Essentials (NHP) or Fish oil

Botanical Treasures (NHP)

InflamAway (NHP)

Immucare 2 (NHP)

**Natural Aromatase Inhibitors**

Block conversion of testosterone to estrogen:

1. **Inhibit >50%**
	1. **Chaparral**
	2. **Green & black tea – 56%**
	3. **Propolis (Flew Away, Throat & Gland)**
	4. **Cat’s Claw**
	5. **Feverfew**
	6. **Willow bark**
	7. **Turmeric**
2. **Zinc**
3. **Pomegranate** (ellagic acid) – **60-80%** *Breast Ca Res & Treatm 71(3):203-17 2002 Feb*
4. **Chrysin** up to 2000mg/day – **the strongest – dose at night**
5. **Passionflower** is what chrysin is derived from; always use with chrysin
6. **Mangosteen**
7. **Cell Guardian** – dose at night
8. **Resveratrol** (reduces estrogen receptors dramatically)
9. **Astaxanthin**
10. **Nettle root**
11. **White button mushrooms**
12. **Portabello mushrooms**
13. **Celery**
14. **Onions – green, white, Spanish**
15. **Grapeseed extract**
16. **Broccoli, cabbage, cauliflower, collards**
17. **Dandelion greens**
18. **Spinach – limit to once a week due to oxalates**
19. **Lettuce – romaine, iceberg**
20. **Avocado – limit due to copper content**
21. **Lemon, grapefruit**
22. **Apple**
23. **Black raspberry**
24. **Cucumber**
25. **Bell pepper**
26. **Carrots**
27. **Mangosteen**
28. **Chocolate/cocoa**
29. **Melatonin**
30. **Mistletoe**
31. **Black grape**
32. **Ginger**
33. **Propolis**
34. **Selenium**
35. **Green tea**
36. **Vitamin D**
37. **Ashwagandha** dramatically reduces estrogen alpha receptors – avoid in cancer where androgen receptors may be present (get practitioner approval)
38. **Honokiol/magnolia/InflamAway/feverfew**
39. **Riboflavin (vitamin B2)**
40. **Quercetin** at lower concentration – limit dose if COMT mutation
41. **Ursolic acid (sage)**
42. **Reishi**
43. **Kudzu**
44. **Apigenin**
	1. **Parsley**
	2. **Celery**
	3. **Chamomile** tea
45. **Lemon/Lime** - citrus bioflavonoids: diosmin, hesperidin, rutin, naringin, tangeretin, diosmetin, narirutin, neohesperidin, nobiletin and quercetin
46. **Omega-3**
47. **Coconut oil**
48. **Olive oil**
49. **Flaxseed**
50. **Avocadoes**
51. **Basil** contains ursolic acid which has some anti-aromatase activity
52. **Genistein** at lower concentrations; inhibits Rx aromatase inhibitors
53. **Biochanin A**
54. **Chinese skullcap – baicalein**
55. **Skullcap**
56. **Myrrh**
57. **Berberine**
58. **Glucose** increases aromatase
59. **Leptin** promotes aromatase
60. **Flavanoids**
61. **Flavones** – **chocolate**, galangin, chrysin, baicalein
62. **Flavanones** – naringenin
63. **Isoflavones** – genistein, biochanin A
64. **Lignans**

**Nuclear Factor Kappa Beta (NFKB)** **natural inhibitors**

1. **Probiotic**
2. **Berries (except strawberries & blackberries); Anthocyanins (berries)**
3. **Turmeric (curcumin)**
4. **Pterostilbene**
5. **Red pepper (capsaicin)**
6. **Ginger (gingerol)**
7. **Black cumin seed oil**
8. **Resveratrol**
9. **Green tea**
10. **Vitamin D**
11. **Salmon/Krill oil/Astaxanthin**
12. **Basil**
13. **Rosemary (ursolic acid, carnosol)**
14. **Sage (ursolic acid, carnosol)**
15. **Garlic (3 constituents)**
16. **Pomegranate**
17. **American ginseng**
18. **Panax ginseng**
19. **Alpha lipoic acid**
20. **Quercetin**
21. **Zinc, through induction of A20**
22. **Vitamin K2**
23. **Andrographis**
24. **Chaga**
25. **Rhabdosia (Immucare II, Corydalis)**
26. **DIM**
27. **Magnolia**
28. **Betulinic acid from Bacopa & Chaga)**
29. **Parthenolide (Feverfew)**
30. **Reishi**
31. **Kava kava**
32. **Annatto tocotrienols & Vitamin E succinate**
33. **Fish oil via PTEN**
34. **Bromelain**
35. **Chrysin**
36. **Gotu kola**
37. **Propolis (CAPE)**
38. **Astaxanthin**
39. **Sulforophane/isothiocyanate (Cell Guardian)**
40. **Berberine**
41. **White willow**
42. **Grape seed**
43. **Bacopa**
44. **Huperizine a**
45. **Butyrate**
46. **Guggulipid**
47. **Ursolic acid**
48. **Wogonin (Scutellaria baicalensis)**
49. **Olive oil**
50. **Gerianiol**
51. **Cocoa**
52. **Coriolus v. (PSK)**
53. **Black cohosh**
54. **Vinpocetine**
55. **Genestein**
56. **Delphiniden**
57. **Naltreoxone (LDN)**
58. **Poria cocus**
59. **Piperine (black pepper)**
60. **Plumbago from Plumbago Zeylanica (Lung & Bronchial)**
61. **I3C through Elastase**
62. **Suppresses PTEN as a means of impeding apoptosis**
63. **AKT is one of a number upstream activators of NFKB**
64. **NF-kappa B is constitutively activated in many cancer cells, and this results in activation of antiapoptotic genes, VEGF, cyclin DI, EGFR, MMP-9 and inflammatory cytokines.**

**COX-2 Natural Inhibitors**

1. **Estrogen promotes COX-2; aromatase inhibitors help control**
2. **Upregulates MMP-9**
3. **Botanical Treasures** (turmeric, ginger, bromelain, resveratrol)
4. **CV ResQ** (resveratrol, pterostilbene, quercetin)
5. **InflamAway** (magnolia/honokiol, bromelain)
6. **IG Sensitizer/Berberine**
7. **Vibrant Mind** (bacopa, gotu kola)
8. **Immucare II** (milk thistle, Chinese skullcap)
9. **Cell Guardian** (sulforophane)
10. **Vitamin D**
11. **Fish oil**
12. **Turmeric/Curcumin**
13. **Ginger**
14. **Zinc**
15. **Chinese skullcap/Baicalein**
16. **Resveratrol**
17. **Pterostilbene** – potent
18. **MenoBreeze** (polygonum m. has a stilbene)
19. **Quercetin**
20. **Vitamin D**
21. **Milk thistle/silibin**
22. **Astaxanthin**
23. **Cinnamon**
24. **Green mussel**
25. **Panax ginseng (PA, VA, BOT)**
26. **American ginseng**
27. **Pomegranate**
28. **Bacopa**
29. **Bromelain**
30. **Tocotrienols**
31. **Feverfew/Honokiol**
32. **Gotu kola**
33. **Chrysin/passionflower**
34. **Berberine** (in IG Sensitizer)
35. **Pycnogenol**
36. **Salicin** in **Willow bark extract** (WBE)
	1. WBE inhibits the cell growth & promote apoptosis in human colon & lung cancers, both through COX•selec&vity & non COX•2; it is primarily COX-1
37. **Black cohosh**
38. **Ursolic acid** synergistic
39. **Piperine (black pepper)**
40. **Rx Celebrex**
	1. **Curcumin** is synergistic
	2. **Tagamet** increases blood levels
		1. **Apple cider vinegar** can replace the acid, sip with food
	3. **Aleve** is a second option
41. Ability of PPARγ ligands to inhibit COX-2 appears to be mediated predominantly through inhibition of AP-1 protein binding to the CRE site in the COX-2 promoter
42. **When Defective DNA Mismatch Repair present, less COX-2 activity**

**mTOR Natural Inhibitors**

**Tissue markers**

1. Same pathway as **P13K** and **Akt**
2. **Do poorly if KRAS mutation**
3. **p53** regulates
4. Product of the **EGFR** cascade

**Nutrition**

1. **Fasting**
2. **Reducing protein**
3. **Grapefruit juice (naringenin)**

**Nutrients**

1. **CV ResQ** (Alpha lipoic, resveratrol, pterostilbene, ginkgo)
2. **BotanicalTreasures (Turmeric, Resveratrol, Green tea**) Colon Anticancer Res. 2009 August; 29(8): 3185–3190.
3. **Rhodiola** (Rhodiola rosea -salidroside) Bladder Mol Carcinog. 2011 Apr 22. doi:10.1002/mc.20780
4. **Immucare II (Milk thistle, Chinese skullcap/bacilen/Reishi)** - Silybum marianum - silibin) Breast Mol Cancer Ther. 2009 Jun;8(6):1606-12. Epub 2009 Jun 9.
5. **Vibrant Mind (Ursolic acid/Sage/Ginkgo)** - Salvia off.) Breast Nutr Cancer. 2010;62(8):1074-86.
6. **Resveratrol** via Akt
7. **Honokiol (InflamAway)**
8. **Reishi**
9. **EGCG**
10. **Ashwagandha in colon cancer, & glioma** Withaferin-A Ashwagandha (Withania somnifera) Colon Mol Cancer Ther. 2010 Jan ; 9(1): 202–210
11. **Menobreeze -** Diosgenin Wild yam (Dioscorea spp) Breast FEBS LETTERS, Volume 581, Issue 30, 22 December 2007, Pages 5735-5742
12. **Palmitoylethanolamide** 400mg 3 times a day PEA Exerts Antiproliferative Effect and Downregulates VEGF Signaling in Caco-2 Human Colon Carcinoma Cell Line Through a Selective PPAR-a-Dependent Inhibitionof Akt/mTOR Pathway;Phytother Res 2016 Jun;30(6):963-70
13. **Diosgenin (MenoBreeze)**
14. **Cell Guardian (Sulforaphane)**
15. **Ginkgo**
16. **Olive leaf extract**
17. **Andrographis**
18. **Kava kava** Liu Z [Kavalactone yangonin induces autophagy and sensitizes bladder cancer cells to flavokawain A and docetaxel via inhibition of the mTOR pathway.](https://www.ncbi.nlm.nih.gov/pubmed/28959001) J Biomed Res. 2017 Sep 26;31(5):408-418
19. **Alpha lipoic acid**
20. Isoliquiritigenin **Licorice** (Gycyrrhiza glabra & other spp.) Adenoid cystic carcinoma Apoptosis. 2012 Jan;17(1):90-101.
21. **Licorice root**
22. **Fisetin** – a flavanoid in cucumber, onions, apples, strawberries, grapes, kiwis
23. **IG Sensitizer** - #2 ingredient is Galega officinalis from which Metformin is derived
24. **Chaparral**

**Rx**

1. **Metformin** works on a different pathway from Rapamycin, and is a little more powerful than Rapamycin. **Metformin** activates AMP kinase which negatively regulates **mTOR**. Metformin-induced activation of AMPK disrupts crosstalk between **insulin/IGF-1 receptor** and G proteine-coupled receptors (GPCR) signaling through inhibition of **mTOR** in pancreatic cancer cells. Metformin has been associated with reduced incidence of pancreatic, breast, and prostate cancers
2. **Rapamycin**

**VEGF Natural Inhibitors**

1. **Obesity inhibits response to anti-VEGF approaches**
2. **Leptin promotes**
3. **HIF-1** activates VEGF
4. **Neutrophiils & macrophages** release
5. **Leptin** upregulation of VEGF/VEGFR2 was partially mediated by **IL-1**/IL-1R tI signaling

Inhibitors

1. **Delphidin** from berries
2. **Botanical Treasures** (turmeric, green tea, Japanese knotwood, ginger, quercetin, grape seed extr.)
3. **Immucare 2**  (Coriolus versicolor, milk thistle, chaga, Chinese skullcap, reishi)
4. **InflamAway** (boswellia, magnolia/honokiol)
5. **Quercetin Plus**
	1. **Quercetin** inhibits in tamoxifen-resistant breast cancer cells
6. **IG Sensitizer** (Berberine)
7. **Cell Guardian** (isothiocyanates, ellagic acid)
8. **Vibrant Mind** (rosemary, salvia m., gotu kola
9. **Vitamin D**
10. **Zinc**
11. **Black cumin**
12. **Gotu kola**
13. **PEA (palmitoyethanolamide)**
14. **Salvia m.**
15. **Ursolic acid** (basil)
16. **Panax ginseng (Power Adapt)**
17. **Reishi**
18. **Pomegranate/ellagic acid**
19. **Green tea** inhibits
	1. Green tea is synergistic with **Celebrex**
20. **Delta tocotrienols**
21. **Cinnamon**
22. **Milk thistle 80% silymarin**
23. **Grape seed & skin**
24. **Ginger**
25. **Turmeric**
26. **Chaga**
27. **Rhabdosia**
28. **Resveratrol/Japanese knotwood**
29. **Ginkgo**
30. **Chinese skullcap** (IC-II and InflamAway) ) **potent anti-angiogenic** via VEGF
31. **Japanese knotweed** (20% resveratrol)
32. **Astragalus**
33. **Rosemary**
34. **Apigenin**
35. **Rose petals (geraniol)**
36. **Citrus peels (d-limonene)**
37. **Emodin**
38. **Dong quai**
39. **Chrysin**
40. **Magnolia seed cones 90% honokiol**
41. **Andrographis**
42. **Propolis (CAPE)**
43. **Salvia m.**
44. **Plumbagin** via VEGF2
45. **Piper longum**
46. **Boswellia (LOX** stimulates)
47. **Artemisia annua** 95% artemisinin
48. **PARP1 inhibitors** address
49. **Pacific yew**
50. **Viscum album** (mistletoe)
51. Anti-angiogenic **genistein** inhibits VEGF-induced endothelial cell activation by decreasing PTK activity and MAPK activation
52. **Betulinic acid + Mithramycin A**
53. **Itraconazole** is potent in cell models
54. **Sunitinib** and **sorafenib**, VEGF receptor tyrosine kinase inhibitors, triple the risk of arterial thrombosis – use lumbrokinase
55. **Rx Avastin**
56. When block VEGF in the cell, it revs up VEGF production
	1. Avastin works outside the cell and can mop that up

**PARP Natural Inhibitors**

1. Repairs single strand DNA breaks. PARP-1 is best characterized.
2. Present in all breast cancer but especially hormone negative
3. PARP presence indicates **increased chemo response**
4. **Folic acid promotes**
5. **Mild hyperthermia** to 41-42.5C causes degradation of BRCA2, a protein involved in DNA repair, and **augments PARP-1 inhibitors**, chemotherapy and radiation
6. **Niacinamide (Nicotinamide)** 1500mg 2 times a day better than minocycline
7. **Curcumin** – induces caspase-3 apoptosis (Mol Cancer Ther 2006;5(4):927-34)
8. **Immucare II**
9. **EGCG (green tea)** – (Cancer Letters Vol 247, Issue 1, Mar8, 2007, p115-121)
10. **Botanical Treasures (turmeric/curcumin, resveratrol, green tea)**
11. **Quercetin Plus**
12. **Rx Minocycline** (Proc Natl Acad Sci USA 2006 June 20;103(25):9685-9690. Published online
13. **BRCA1 & 2** – PARP inhibitors are markedly effective at preventing DNA repair
14. **PTEN** mutations sensitize cells to PARP inhibition
15. **PARP** is upregulated in majority of TN breast cancers
16. **Resveratrol promotes PARP** i.e. promotes DNA repair promoting longevity and preventing cancer
17. Olaparib – in clinical trials – an oral drug
	1. Clinical proof-of-concept in BRCA1/BRCA2 mutations
	2. 400mg BID
	3. Well-tolerated
18. Works on VEGF (inhibits angiogenesis)

**Potential Cancer Stem Cell Natural Inhibitors**

1. Pathways to address stem cells:
	1. Self-renewal pathways:
2. WNT/beta catenin - pathway is up-regulated up to 100-fold in cancer stem cells
	* + 1. Curcumin
			2. Berberine
			3. Resveratrol
			4. Pterostilbene
			5. Black cumin seed oil
			6. Cat’s claw
			7. Astragalus (Immucare I)
			8. Feverfew and Magnolol (InflamAway)
			9. Carotenoids (Beyond Essential Fats)
			10. Milk thistle
			11. ECGC (green tea)
			12. Lycopene
			13. Silibin (Milk thistle)
			14. Chinese skullcap
			15. Pomegranate
			16. Saffron
			17. Hibiscus ficulneus
			18. Genistein
			19. Lupeol/crateva – in olives, figs, mangos, strawberries, red grapes
			20. Vitex/progesterone (when not converted into estrogen)
			21. Epimedium/Icariin
			22. Deguelin
			23. Cucurbitacin-E (cucumbers, watermelon)
			24. SNF
			25. Retinoids
			26. Rx Trental
			27. Rx Nitazoxanide
		1. Notch
			1. Turmeric/Curcumin
			2. Ashwagandha
			3. Cell Guardian (sulforophane)
			4. Folic acid & methylfolate both promote colon cancer cells via NOTCH1
			5. Galectin-3 supports stemness in ovarian cancer stem cells by activation of the Notch1 intracellular domain
		2. Hedgehog
			1. Botanical Treasures (Curcumin, resveratrol, green tea)
			2. Cell Guardian (sulforophane)
			3. Curcumin
			4. EGCG
			5. Quercetin
			6. Vitamin D
			7. Isoflavones e.g. Ipriflavone
			8. Lycopene
			9. Baicalein
			10. Apigenin
			11. Genistein
			12. Arsenic
			13. Itraconazole
		3. PI3K/AKT/mTOR
			1. PI3K
				1. CV ResQ (resveratrol)
				2. Baicalein
				3. Ginkgo inhibits atherosclerosis by PI3K
				4. Andrographis
				5. InflamAway (Boswellia, Honokiol)
				6. Tocotrienols
				7. Iscariin in Epimedium (Botanabol)
				8. Red clover (MenoBreeze, Artemis Plus)
				9. SEE DONNIE’S LIST (Herb Compounds that inhibit PI3K)
				10. Fisetin in prostate and lung cancer
			2. AKT
				1. Dietary protein restriction helps, esp. eliminating animal/dairy protein
				2. Peony (Imm I, Corydalis)
				3. Cell Guardian (isothiocyanate)
				4. Guggulipid
				5. CV ResQ (pterostilbene)
				6. Iscariin in epimedium (Botanabol)
				7. Ashwagandha
				8. Panax ginseng (VA, PA, BOT)
				9. Sulforophane/ITCs (Cell Guardian)
				10. L-theanine (green tea, Botanical Treasures)
				11. Red clover (MenoBreeze, Artemis Plus)
				12. Gamma tocopherol
				13. Chromium increases Akt activation
				14. Nigella sativa (Thymoquinone)
				15. Rx Disulfiram – also hits HER2
			3. mTOR
				1. Fasting inhibits
				2. Reducing protein aids, especially reducing plant protein
				3. See ‘Herb compounds that inhibit P13K/mTOR’
				4. Rx Rapamycin
				5. CV ResQ (Alpha lipoic, resveratrol, pterostilbene),
				6. Botanical Treasures (turmeric, green tea)
				7. Resveratrol via Akt
				8. Honokiol (InflamAway)
				9. EGCG (green tea)
				10. Rhodiola (Rhodiola rosea -salidroside)
				11. Immucare II (Milk thistle - Silybum marianum - silibin)
				12. Vibrant Mind (Ursolic acid/Sage - Salvia off.)
				13. Ashwagandha in colon cancer, & glioma
				14. Bacilen (skullcap) (Immucare II)
				15. Menobreeze - Diosgenin Wild yam (Dioscorea spp
				16. Diosgenin (MenoBreeze)
				17. Cell Guardian (Sulforaphane)
				18. Alpha lipoic acid
				19. Isoliquiritigenin Licorice
				20. Fisetin – a flavanoid in cucumber, onions, apples, strawberries, grapes, kiwis
				21. IG Sensitizer - #2 ingredient is Galega officinalis from which Metformin is derived
				22. Berberine
				23. Metformin works on a different pathway from Rapamycin, and is a little more powerful than Rapamycin. Metformin activates AMP kinase which negatively regulates mTOR. Metformin-induced activation of AMPK disrupts crosstalk between insulin/IGF-1 receptor and G proteine-coupled receptors (GPCR) signaling through inhibition of mTOR in pancreatic cancer cells.
				24. Bcl in lung cancer
			4. EMT (Epithelial to Mesenchymal Transition)
				1. Pomegranate
				2. Quercetin
3. **Hypoxia/HIF-1** are inducers – take ½-1 tsp **bicarbonate** daily to maintain urine pH of 7
	* 1. Carnosine appears beneficial by this mechanism
		2. Turmeric - In Botanical Treasures, but may use more
		3. EGCG - Green tea In Bot Treasures, ThermoFit
		4. Resveratrol Knotwood,fruits Bot Tr, CV Res Q
		5. InflamAway Andrographis Boswellia Magnolia
		6. Rapamycin Streptomyces hygroscopicus Rx medicine
		7. Corydalis Plus Curcuma aromatica
		8. InflamAway Magnolol
		9. IG Sensitizer Berberine
		10. Vitexin Flavonoid apigenin-8-C-b-D-glucophyranoside
		11. Tocotrionol succinate Dry vitamin E
		12. Silibinin (silymarin) Milk thistle In Imm2
		13. Digoxin **reduces HIF-1 by 88%** Foxglove
		14. Vitamin C associated with HIF1 when low
		15. Hawthorne CV ResQ, Cardiotonic BP
		16. Andrographis
		17. Ginkgo
		18. Vitamin E succinate
		19. Cell Guardian Isothiocyanate
		20. Chrysin
		21. Vitamin D
		22. Zinc
		23. Berberine
		24. Andrographis (in Immucare I)
		25. Foxglove
		26. Noscapine
		27. TTF1 isolated from an extract of herbal medicine Sorbaria sorbifolia
		28. Hyperbaric oxygen
		29. Itraconazole
4. Research in the journal Stem Cell Reports 2017 shows that one cellular signaling pathway affects the growth of cancer stem cells in the colon in reaction to a high-fat diet. The study found blocking the **JAK2-STAT3** pathway stopped growth of the cancer cells.
5. **Chaparral**
	1. Aryl hydrocarbon receptor (AHR)
	2. Cytokines & inflammatory pathways: IL-6, IL-8, NFKB
	3. TGF-beta and epithelial-to-mesenchymal transition (EMT)
	4. Homing molecules in metastasis: CXCR4 or its ligand CXCL12
	5. Growth factors, their receptors and co-receptors (e.g. neuropilin-1) and signaling components (e.g. tyrosine kinases)
	6. Cell surface markers (CD44 and integrins)
6. There is evidence from a number of studies that **breast CSCs are ER- and EGR+/HER2+**
7. **HER2neu** + stem cells take up iron preferentially, should respond to **Artemis Plus**
8. **IL-6** triggers conversion of non-cancer stem cells to CSCs
9. **TNFa inflammation** **induced conversion to liver cancer stem cells**
10. **Prostate cancer** is initiated by **estrogen** in an androgen-stimulated environment
11. **Cruciferous vegetables** - isothiocyanates
12. **Leafy greens** – carotenoids
13. **Mint** – linalool, perylill alcohol
14. **Blueberries, raspberries, pomegranate** – delphinidin
15. **IG Sensitizer** (Goat’s rue – Gallega officianalis)
16. **Botanical Treasures** (curcumin, green tea [l-theanine, EGCG], resveratrol, quercetin, ginger)
17. **Turmeric/curcumin; Curcumin** and **piperine** inhibited in breast cancer stem cells
18. **Immucare II** (Chinese skullcap, Milk thistle)
19. **InflamAway (feverfew** - parthenolide)
20. **Cell Guardian** (sulforaphane, isothiocyanates e.g. watercress – esp. w/ **quercetin**)
21. **CV Res Q** (resveratrol, pterostilbene, quercetin, grape seed extract)
22. **IG Sensitizer** (Goat’s rue, berberine)
23. **Ginger** (6-shagoal component up to 10,000x more powerful than taxol chemotherapy)
24. **Pomegranate**
25. **Tocotrienols**
26. **Power Adapt** (ginsenoside in Panax ginseng)
27. **Vitamin A and beta carotene (Beyond Essential Fats)**
28. **Vitamin D**
29. **Green tea (L-theanine, EGCG)**
30. **Vibrant Mind (Salvia)**
31. **Andrographis**
32. **Resveratrol**
33. **Prostate cancer stem cells do not have androgen receptors, just alpha & beta estrogen receptors**
34. **Chinese skullcap**
35. **Immucare I (Salvia, andrographis)**
36. **EGCG (green tea)**
37. **Theanine (green tea)**
38. **Ashwagandha**
39. **Milk thistle**
40. **Melatonin** via p38 MAPK and EMT
41. **Piperine** - pepper
42. **Quercetin** (onions, broccoli)
43. **Flavonoids** (genestein – fermented organic soy, red clover)
44. **Guggulsterone** – myrrh tree
45. **Ursolic acid** – basil, thyme
46. **Pomegranate**
47. **Berberine**
48. **Plumbagin**
49. **Triptolide**
50. **Licofelene**
51. **Andrographis** in myeloma
52. **Choline**
53. **Isoflavones/genistein**
54. **Lycopene** – tomatoes
55. **Mulberry**
56. **Milk thistle**
57. **Melatonin**
58. **Olive leaf** in gliomas
59. **Grape seed extract** in colon cancer stem cells
60. **Celandine** in lung cancer
61. **Amla** (*Botanical Treasures*) suppresses cell proliferation and induces apoptosis in human **colon cancer stem cells** via suppression of **c-Myc** and **cyclin D1**
62. **WNT inhibitors**
	1. **Cat’s claw (Immucare I)**
	2. **Astragalus (Immucare I)**
	3. **Magnolol (InflamAway)**
	4. **Silibin (Milk thistle)**
	5. **Hibiscus ficulneus**
	6. **Dihydroartemesin (Artemis Plus)**
	7. **Oridonin/Rhabdosia (Immucare II)**
	8. **Ursolic acid (basil-Bot. Treasures, hawthorn-CV Res Q, sage (Vibrant Mind), rosemary, apple peels, thyme)**
	9. **Ajuga**
63. **Gossypol; Berbamine** from Bereris amurensis
64. **Choline**
65. **Potential Promotes OF CSCs: N-acetylcysteine** when glycolysis was stopped
66. **In melanoma**: Nanaomycin A, streptonigrin and toyocamycin were effective at 0.1 mM. Other anti-clonogenic but not highly cytotoxic compounds such as bryostatin 1, siomycin A, illudin M, michellamine B and **pentoxifylline** markedly reduced the frequency of ABCB5 (ATP-binding cassette, sub-family B, member 5)-positive cells.
67. **Placycodon saponin** – playycodon grandifloruim
68. **Psolralidin** – Psoralea corylilyfolia
69. **Maclurapomifera extracts (pomiferin)**
70. **Fermented bread extracts**
71. **Salinomycin** – Streptomyces albus
72. **Rx Metformin** hits stem cells (from **Goat’s rue (Gallega officianalis) in IG Sensitizee**
73. **Rx Mefloquine (Lariam) and Ivermectin** in **AML – Artemesin is synergistic with Mefloquin**
74. **Rx Sulfasalizine (Azulfidine)**
75. **Rx Salinomycin**
76. **Rx Chloroquin**
77. **Rx Quinomycin**
78. **Rx Ivermectin** – potent WNT blocker at low doses
79. **Venetoclax and TKI Combination** Eradicates Cancer Stem Cells in Mouse Model
80. **Tumor-specific CSC markers:**
	1. Brain - CD133+, CD49f+, CD90+
	2. Breast - ALDH+, ESA+, CD44+, CD24--‐/low
	3. Colon - CD133+, CD44+, CD166+, EpCAM+, CD24+
	4. Lung - CD133+, ABCG2++
	5. Melanoma - CD20+
	6. Pancreatic - CD133+, CD44+, EpCAM+, CD24+
	7. Prostate - CD133+, CD44+, CD24--‐
	8. AML - CD34+, CD38+
	9. Leukemia - CD34+, CD38--‐, HLA--‐DR--‐, CD71--‐, CD90--‐, CD117--‐, CD123+
81. **Red Yeast Extract** may be important
	1. **A 2003 study in the Am J Cardiology** showed the secondary endpoint of a 56% reduction in cancer with 1200mg twice a day of a quality red yeast extract
	2. **Metabolic features of cancer stem cells: the emerging role of lipid metabolism – CSCs may depend on HMG-CoA reductase**

**PRAYER OF FATHER PETER MARY ROOKEY**

Lord Jesus, I come before you just as I am. I am sorry for my sins. I repent of my sins, please forgive me. In your name, I forgive all others for what they have done against me. I renounce Satan, the evil spirits, and all their works. I give you my entire self, Lord Jesus, now and forever. I invite you into my life, Jesus. I accept you as my Lord, God, and Savior. Heal me, change me, and strengthen me in body, soul, and spirit. Come, Lord Jesus, cover me with your precious blood and fill me with your Holy Spirit. I love you, Lord Jesus. I praise you, Jesus. I thank you, Jesus. I shall follow you every day of my life. Amen. Mary, my mother, Queen of Peace, all the angels and saints, please help me. Amen.



**Oil of Anointment – Unction**

***For all, especially the Sick, Suffering and Ascending (dying)***

**By Brother Donnie Yance**

**Mederi Medicinal**

After the flood, the dove came to Noah, having “*in her mouth an olive leaf*” (Gen. 8.11), the symbol of unction.

**Topical Formula (When Indicated)**

|  |
| --- |
| **Ingredient(s)** |
| EO Sacred Frankincense (*Boswellia sacra*) |
|  St. John’s wort (*Hypericum perforatum*) oil |
| EO true French Lavender (*Lavendula dentata*) |
| EO Spikenard (*Nardostachys Jatamansi*) |
| EO Holy Basil (*Ocimum sanctum*) |
| EO Myrrh (*Commiphora myrrha*) |
| EO Sandlewood (*Santalum album*) |
| EO Rose Absolute (*Rosa damascena*) |
| EO Nutmeg (*Myristica fragrans*) |
| DMSO liquid |

**Dosage & Directions:**

|  |
| --- |
| Massage small amount to any area/organs of the body that needs healing; as well as the hands, feet, &/or forehead with prayers & sacred intent |

**About the ‘Oil (Chrism) of Anointment’ a gift for Unction, and the ritual of charism, for All to use, Especially the Sick, Suffering and Ascending (Dying). It is also can be used to simple bless someone.**

We anoint and perform unction, to call upon divine influence, a holy emanation, spirit, the power of God.

Anointing of the sick is called the [***Sacred Mystery***](http://en.wikipedia.org/wiki/Sacred_Mystery) ***of*** [***Unction***](http://en.wikipedia.org/wiki/Unction). The word Unction implies the action of anointing and blessing someone with a medical herbal, aromatic ointment/oil that has both Spiritual (1st) and human (2nd) bodily healing qualities. The mystery of unction includes praying before, during and after the anointing. May grace be bestowed upon this spirit and body and let us evoke the Love and will of God in our hearts.

Unction not only unites us to the Spirit, but creates in us a new/renewed Spirit; a sanctuary. “*and let them make for me a sanctuary and I will dwell in thee*.” (Ex. 25:8)

*“And it shall come to pass on that day, that his burden shall be removed from upon your shoulder, and his yoke from upon your neck, and the yoke shall be destroyed because of oil.”* (Isaiah 10:27)

Who to anoint:

* *Adults (and children old enough to understand what is taking place) suffering a serious illness, involved in a serious accident, facing surgery or major medical tests;*
* *The elderly, especially when frailty is pronounced - even without serious illness;*
* *Those suffering chronic infirmity (such as arthritis or diabetes) or serious mental illness.*
* *Animals that are in need of healing, comfort and love.*

**Optional prayer to be recited or sung:**

**Lord, prepare me to be your sanctuary, pure and Holy, tried and true;**

**In thanksgiving I’ll be your living sanctuary, for you.**

Beyond all gifts there is the Spirit ­– whose proper name is *the* **Gift.** In Greek the word ‘gift’ is synonymous with the word **‘*Spirit*,’** and/or **‘grace.’**Grace is also a very common word, and in both Biblical and secular … In the first place, as in (e) above, **‘charis’** may mean “a gift. … Evidently in this sense “grace” is almost a synonym for the Spirit.

Chrisma, the ritual of anointing, is the efficacious sign of the invisible spiritual unction – God’s grace and **‘seal,’** a branding of that grace. (Gal. 6:17) God’s healing love is poured out into the hearts of men and woman, which is spiritual, yet can be physical as well, if it be the will of God, our prayers and love (a face of God), and our healing medicines, which include the humble plants we apply and bath of cells with, which is another face of God. Nature/Gaia provides for us the healing plants, but they are humble.

**Optional prayer to be recited or sung:**

 “**Praise be you my Lord,**

 **for our sister Mother Earth,**

 **who nourishes and sustains us all,**

 **and brings forth divers fruits,**

 **with many – colored flowers**

 **And herbs.”**

 – St. Francis of Assisi

This seal (God’s Grace) closes off everything that opposes, or alienates from God, which purity of heart – Agape Love.

This mystical aspect of unction depends solely on Grace, which may transform our natural senses into spiritual ones: “*Behold I make all things new*” (Rev. 21.5) And from the ‘Song of Songs’ “*Because of the savour of thy good ointments thy name is as ointment poured forth” (1:3)… “A bundle of myrrh is my well beloved unto me*.” (1:13)

Now, the fruit (seal) of the Spirit is upon you, and “*the fruit of the Spirit is love, joy, peace, long-suffering, gentleness, goodness, faith, meekness, temperance: against such there is no law*.” (Gal. 5:22, 23)

In Buddhism, the Buddha was also known as the Great Physician. He was able to diagnose, and administer instruction in a spiritual dimension, which would best bring about the fundamental change and progress. Similar to Christianity and Judaism, according to Buddha “*One should unceasingly radiate loving kindness*” when anointing the sick, perform auction with great humility.

**Let us be still and listen for the whisper, that is Wisdom – which is connected to the Gift, which is the Spirit, which has been sealed with our prayers, anointing, and God’s Grace.**

**Optional Prayer**

**“*May the Lord bless you and keep you,***

***May the Lord cause His favor to shine upon you and be gracious unto you,***

***May the Lord lift His favor unto you and give you peace*” (Numbers 6:24-26) and healing.**

**“My beloved is mine and I am His” (Song of Songs 2.16)**

**“Lord, you are the vine and we are the branches” (John 15:4)**

**May the Lord, who is the Prince of peace, bring peace, as well as goodness, blessing, compassion, and healing to each of us and all of the people of the world.**

**May the Lord ease our suffering and give us the courage and love to be transformed in Agape Love. Amen!**

**My the Lord gives you strength and through it all happiness** - Happiness isn’t the absent, or avoidance of pain and suffering, but the mastery within pain and suffering, to know and feel, in your heart - peace, joy, beauty and love.

**O Heavenly Creator, who art everywhere, you are our Comforter, Spirit of Truth, treasure of Graces, and giver of Life, O come dwell in us, cleans us of all that is not of you, heal us, renew us, and transform us, with your kindness and Love, O gracious One.**

**Why I formulated the ‘Oil of Anointment’**

On Good Friday I became very ill. This illness although had a physical component to it, in that I developed a urinary tract infection, it also had a very real spiritual component as well, that by Easter Sunday evening ascended me to a “near death experience” which was both very painful with long-suffering and yet for of love and joy. Physical I did not eat or sleep and needed to urinate every five to fifteen minutes for more then a week. I learned a great many truths from this experience and God has given me renewed strength, courage and wisdom. I also believe that if I was who I am, with my strong constitution and more important wisdom and knowledge of herbal and dietary medicine, which I needed to access from my heart I may not be here alive in the world. I took very specific herb formulas, specific herbs, and topical formulas, to get well physically and spiritually. This formulation came to me from both my deep intuitive wisdom of medicine and connection to the Divine, as well as getting my nose into old classic books, such as the “American Materia Medica” written in 1915 by Dr. Finely Ellingwood. The answer was not going to be found on the internet or in some modern scientific journal.