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> Guidelines Breast Version 2023.1E

Diagnosis and Treatment of Patients with early and advanced Breast Cancer

Complementary Therapy Survivorship

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Complementary Therapy – Hormonal Treatment and Alternatives in Breast Cancer Survivors – Survivorship

Versions 2002–2022:

Albert / Bauerfeind / Blohmer / Dall/ Fersis / Friedrich / Gerber / Göhring / Hanf / Janni / Kümmel / Lück / von Minckwitz / Nitz / Oberhoff / Rhiem / Scharl / Schmidt / Schütz / Solomayer / Thomssen

 Version 2023: Heil / Solomayer

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Guidelines Breast Version 2023.1E "Integrative Oncology"

CAM

Complementary + alternative medicine

Complementary

In addition to scientifically based medicine Alternative

Instead of scientifically based medicine "Unconventional methods"

UCT

Unconventional Tx

Unconventional

Unproven outsider methods

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Good Clinical Practice

All patients should be consulted as early as possible and in the course of the process repeatedly on the interest in information complementary medical measures and, if interested, reliable sources of information should be referred.

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General Considerations

		Oxfo	ord		
, -		LoE	GR	AGO	
t	 CAM instead of loco-regional interventions 	2 b	В		-
	 CAM instead of systemic treatment 	2b	В		

- Patients should be asked and advised about their use of CAM modalities
- Diagnostic procedures in connection with complementary and alternative therapy concepts without evidence (e.g. iris diagnostics, bioresonance) should not be recommended.
- During anti-cancer treatment: Beware of drug interactions

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Complementary Therapy Pre- and Postoperative

		Oxf	ord	
AGO e. V. in der DGGG e.V.		LoE	GR	AGO
sowie in der DKG e.V.	Preoperative:			
Guidelines Breast Version 2023.1E	 Hypnosis (reduces anxiety, pain, nausea) 	1b	В	+
	Postoperative:			
	 Acupuncture (pain relief, anxiety) 	1b	В	+/-
	 Acupuncture (nausea, vomiting) 	2b	В	+
	 Massage therapy (pain relief) 	2b	С	+/-
	 Early postoperative exercise reduces upper-limb dysfunction (beware: increased wound drainage) 	1a	Α	+
	Physical exercise			
	 to reduce breast cancer related secondary lymphedema 	1a	Α	+
	 as a prophylaxis of lymphedema 	1b	В	+/-
w.ago-online.de	 Prophylactic lymphatic drainage 	1b	В	
ORSCHEN FHREN	 Yoga (arm and shoulder pain) 	2b	С	+
IEILEN	 Music therapy (reduces pain after mastectomy) 	2b	С	+/-



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Complementary Treatment

While on Cancer Treatment – Impact on Toxicity I

	_			ord	
AGO e. V. in der DGGG e.V. sowie in der DKG e.V.	Di	Iring anti-cancer treatment: Beware of drug interactions	LoE	GR	AGO
Guidelines Breast Version 2023.1E	•	Mistletoe (Viscum album) in order to reduce side effects	1 a	В	+/-
	•	Thymic peptides lower risk of severe infections	2 a	В	+/-
	•	Ginseng reduces fatigue; note: interacts with cytochrome P enzymes e.g. CYP 3A4	2b	С	-
	•	Ganoderma Lucidum reduces fatigue, note: inhibits cytochrome P enzymes (e.g. CYP 3A4)	2b	С	-
	•	 L-Carnitine peripheral neuropathy treatment of fatigue 	1b 1b	B B	
	•	Melatonin (reduces fatigue, improve sleep, depressive symptoms, cognition)	2b	В	+/-
ww.ago-online.de	•	Curcumin adjunct to reduce radiation-induced dermatitis	1b	В	+/-
FORSCHEN LEHREN HEILEN	•	Ginger adjunct to guideline-oriented medication to treat chemotherapy induced nausea & vomiting – beware of drug interactions	1b	С	+/-





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Complementary Treatment While on Cancer Treatment – Impact on Toxicity II

	Oxf	ord	
	LoE	GR	AGO
Antioxidant supplements	1b	В	-
 various antioxidative extracts (to reduce anthracyclin-induced cardiotoxicity) 	2b	В	+/-
High dose vitamin C	1b	С	-
Vitamine E	2 b	D	-
Selenium (for alleviating therapy side effects)	1b	В	-
Co-Enzyme Q 10 (fatique, QoL)	1b	В	-
Proteolytic enzymes (for reduction of chemotherapy-induced toxicity)	3b	В	-
Chinese herbal medicine improves wound healing	1b	В	-*inf
Oxygen and ozone therapy	5	D	
Short-term fasting (Qol, Fatigue)	2b	В	+/-**

**treatment in clinical trials recommended



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Additional Complementary Therapy of Side Effects Related to Cancer Treatments

	Oxford			
	LoE	GR	AGO	
 Chinese medicinal herbs (to treat the side effects of chemotherapy) 	1b	В	-	
 Homoeopathic medicine (against therapy side effects / Placeboeffect) 	1b	В	+/-	
Topical Silymarin (to prevent acute dermatitis during radiotherapy)	3 a	В	+/-	
Massage (to improve on fatigue, pain, anxiety, nausea)	1b	С	+/-	
Transcutaneous Electrical Nerve stimulation (TENS) (against cancer pain)	2b	D	+/-	
Hydrotherapy (for supportive skin care)	3b	С	+/-	



Additional Complementary Therapy of Side Effects Related to Cancer Treatments

Acumunatura in order to improve on	Oxf	1b B 1b B 1b B 1a B 1a B 1b B 2b B 5 D	
Acupuncture in order to improve on	LoE	GR	AGC
Chemotherapy-induced nausea and vomiting			
 (Electro)-Acupuncture as adjunct to entiemetic treatment 	1b	В	+
 Acupressure as adjunct to entiemetic treatment 	1b	В	+
Pain			
Cancer pain	1b	В	+
Aromatase-inhibitor – induced athralgia	1a	В	+
 Fatigue 	1a	В	+
 Acupressure 	1b	В	+
 Anxiety and depression 	2 b	В	+
 Cognitive dysfunction 	5	D	+/-
 Menopause syndrome in Breast Cancer Patients 	1b	В	+
to improve on frequency and severity of hot flashes	1b	В	+/-
 Electro-Acupuncture to improve on sleep and hot flashes 	2 a	В	+
 Leucopenia (Moxibustion) 	2b	В	+/-
Treatment of chemotherapy induced polyneuropathy			
prophylactically	1b	В	-
therapeutically	2b	В	+/-
 Chronic lymph edema after Breast Cancer Treatment 	2b	В	+/-

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Complementary Treatment Mind-Body Medicine I

	Oxf	Oxford		
	LoE	GR	AGO	
MBSR (Mindfulness-Based Stress Reduction)	1 a	Α	+	
Program improves quality of life, coping strategies, attentiveness, and lowers stress, anxiety, depression, fatigue, and sleep disturbances				
	1 a	Α	++	
Physical exercise / sport				
min. 3x/week moderate endurance training in combination with workout exercises (2x per week) improve quality of life, cardio-respiratory fitness, physical performance, sleep, pain, depression, lymphedema, and fatigue				



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Complementary Treatment Mind-Body Medicine II

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sowie in der DKG e.V.	Relaxation techniques	2b	С	+/-
Guidelines Breast Version 2023.1E	Reduction of anxiety and nausea, improvement of quality of life, reduction of psychological stress			
	Yoga Improves sleep, quality of life, stress, anxiety, depression, fatigue, and sleep	1b	A	+
	Qi Gong May improve quality of life, fatigue, and mood	2 a	В	+/-
	Tai Chi Improves quality of life, muscular strength, sleep	2 a	В	+/-
www.ago-online.de	Hypnosis (in combination with cognitive training) Improves fatigue and muscle weakness under radiotherapy; also reduces distress	1b	Α	+



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Prevention of Recurrence / Improvement of Overall Survival I

CAM

Modifiable Lifestyle Factors

Ge.V. e.V.		Oxf	ord		
Breast 3.1E		LoE	GR	AGO	
	Physical exercise	2 a	Α	++	
	(equivalent to 3–5 hrs moderate walking per week) improves DFS and OS, cardio-respiratory fitness, physical functioning				
	 Reduce smoking 	2b	Α	+	
	 Reduce alcohol consumption (< 6 g/day) 	2b	Α	+	

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Modifiable Lifestyle Factors

Nutrition after Breast Cancer Diagnosis

Prevention of Recurrence / Improvement of Overall Survival II

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reast 3.1E	 Adherence to normal BMI / weight loss if overweight, irrespective of HR-status 	1 a	Α	++	
	 Low fat diet dietary counseling recommended 	1 a	В	+	
	 Increased fiber intake (e.g. Flaxseed) 	2 a	В	+	
	 Adherence to general nutrition guidelines (e.g. DGE, WCRF) similar to a Mediterranean Diet 	2 a	В	++	
	 Dietary extremes 	2 a	В		

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Complementary Treatment

Prevention of Recurrence / Improvement of Overall Survival III.1

Dietary Supplements – Herbal Therapies

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Guidelines Breast Version 2023.1E	Post treatment vitamine / antioxidant supplements does not appear to be associated with increased risk of recurrence (beware of drug / treatment interactions)	2b	В	
	Smokers on antioxidant supplements are at higher risk for lung cancer	1b	Α	
	For Prevention of BC Recurrence:			
	 Antioxidants 	2 a	В	+/-
	 Vitamine supplementation in patients on a balanced diet (esp. Vitamine C, E) 	2 a	В	+/-
	 Vitamine D (after Vit D level) 	2b	В	+/-
	 Soy-food (natural source of phytoestrogenes) 	2 a	В	+/-
	- food or concentrates containing ≥ 100 mg) isoflavones per day	2 a	В	-
	 Black Cohosh (Cimicifuga racemosa) 	3b	С	+/-
www.ago-online.de	 Antioxidant supplements (after completion of radiotherapy) 	2b	В	+/-
FORSCHEN LEHDEN	 Green tea 	3 a	С	+/-
HEILEN	 Selenium 	2b	В	+/-



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Complementary Treatment

Prevention of Recurrence / Improvement of Overall Survival III.2 **Dietary Supplements – Herbal Therapies**

D	During anti-cancer treatment: Beware of drug interactions		Oxford	
DL			GR	AGO
•	Other orthomolecular substances (Zinc)	5	D	-
•	Artificial carotenoids appear to be associated with worse outcome	2 b	В	-
•	Proteolytic enzymes (Papain, Trypsin, Chymotrypsin)	3b	В	-
•	Mistletoe (Viscum album)	1b	С	-
•	Thymic peptides (impact on OS)	2 a	В	-
•	Oxygen- and ozone therapy	5	D	
•	Laetrile (Amygdalin, "Vitamine B17")	1c	D	
•	Methadone	5	D	
•	Cancer bush (Sutherlandia frutescens), Devil's claw (Harpagophytum procumbens), Rooibos tea (Aspalathus linearis), Bambara groundnut (Vignea subterranean)	4	С	-
•	Incense	5	D	-
•	Curcuma, curcumine	5	D	-