DMSO Protocol Instructions

For Cancer Patients (Topical & Oral Use)

⚠️ Important Safety Notes

- Always use **99.9% pharmaceutical-grade DMSO**.
- Never mix DMSO with chemicals, lotions, or tap water — it carries anything it contacts into the bloodstream.
- Use **glass** or **stainless steel** containers and utensils only.
- Wash hands and skin thoroughly before applying DMSO.

🔹 1. TOPICAL APPLICATION

✅ What You Need

- **99.9% DMSO**
- **Distilled water** (or aloe vera gel)
- **Glass dropper or spray bottle**
- **Sterile cotton pads or hands**

✅ How to Prepare

- Mix **70% DMSO + 30% distilled water** (e.g., 7 mL DMSO + 3 mL water).

  You can also use **50/50** for sensitive skin or start even lower (e.g., 60/40) and adjust.

✅ How to Apply

- **Clean the skin** with mild soap and water — no lotions, oils, perfumes.
- Apply **2–3 mL of the 70% solution** to:
    - Skin over tumor area (e.g., chest for lung cancer)

    - Surgical scars or painful joints
    - Radiation sites (before and after sessions)
- Let it **absorb naturally** (5–10 minutes).
- Apply **1–2 times per day**.

✅ Optional Add-ons

You can mix 1:1 with **aloe vera gel** or **castor oil** to soothe skin.

🔹 2. ORAL ADMINISTRATION

✅ What You Need

- **99.9% DMSO**
- **Distilled water** or fresh organic juice
- **Glass cup**

✅ How to Prepare

- Start with a low dose:
    - **1 mL DMSO + 100 mL distilled water or juice**
- Stir in a **glass cup** only.

✅ How to Take

- Drink **on an empty stomach**, 30–60 minutes before food.
- Slowly increase the dose as tolerated to:
    - **3–5 mL DMSO in 100–150 mL water**, once or twice daily.

Optional: Split dose — morning and late afternoon

🔄 Suggested Schedule

- **Week 1:** 1 mL/day
- **Week 2–3:** 2–3 mL/day
- **Week 4+:** Up to 5 mL/day if well tolerated

❗ Avoid plastic, metal straws, or reactive utensils. Glass only.

🔍 Monitoring & Reactions

Symptom	What It Means	Action
Garlic/sulfur body odor	Normal DMSO metabolite	Harmless
Skin itching or redness	Sensitivity	Reduce strength (e.g., use 50% mix)
Headache/fatigue	Detox effect	Reduce dose, hydrate more
Nausea (oral)	Too strong or poor dilution	Lower dose, increase dilution

⛔ Do Not:

- Apply DMSO over **open wounds** or broken skin
- Use with **tap water** or unfiltered juice
- Mix with **any non-sterile compound** (lotions, creams, oils)
- Store in **plastic bottles**
- **Wear polyester, plastic-lined, or dirty clothing over the application site until it's fully absorbed and dry.**

  ✅ **Only wear clean, natural fabrics (cotton, linen) after topical application.**
- **Touch unclean surfaces immediately after applying — anything on the skin can be absorbed.**

References:

Ba Hoang, et al. "The Rationality of Implementation of Dimethyl Sulfoxide as Differentiation-inducing Agent in Cancer Therapy." Cancer Diagnosis & Prognosis, 2023. DOI: 10.21873/cdp.10069

Chuang, S. M., et al. "Dimethyl sulfoxide promotes the multiple functions of the tumor suppressor HLJ1 through upregulation of HLJ1 expression in human lung adenocarcinoma cells." PLOS ONE, 2012. DOI: 10.1371/journal.pone.0033772

Li, Y., et al. "Dimethyl sulfoxide (DMSO) induces apoptosis in human leukemia cells via activation of p53 and caspase pathways." Journal of Biochemical and Molecular Toxicology, 2010. DOI: 10.1016/j.toxlet.2010.08.005

Baldelli, E., et al. "Heterogeneous Off-Target Effects of Ultra-Low Dose Dimethyl Sulfoxide (DMSO) on Targetable Signaling Events in Lung Cancer In Vitro Models." International Journal of Molecular Sciences, 2021. DOI: 10.3390/ijms22062819

Ryu, J. H., et al. "Dimethyl Sulfoxide Suppresses Mouse 4T1 Breast Cancer Growth by Modulating the Immune Response." Journal of Breast Cancer, 2014. DOI: 10.4048/jbc.2014.17.1.25

Matsumura, Y., et al. "Dimethyl sulfoxide (DMSO) causes a reversible inhibition of telomerase activity in human cancer cells." Biochemical Pharmacology, 1997. DOI: 10.1016/S0145-2126(97)00188-4

Yamashita, Y., et al. "DMSO inhibits human cancer cells and downregulates the expression of the oncogenic protein c-Myc." The FASEB Journal, 2020. DOI: 10.1096/fasebj.2020.34.s1.03158

Tralka, T. S., et al. "Cilia formation in cultures of human lung cancer cells treated with dimethyl sulfoxide." Journal of the National Cancer Institute, 1976. DOI: 10.1093/jnci/57.6.1411.