Table S1: Clinical trials on the effect of circadian rhythms on tumor progression and treatment outcomes. (Data sources: clinical registration website (https://clinicaltrials.gov)

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| --- | --- | --- | --- | --- |
| Tumor type | Agents | Purpose/Result | Status | Register ID |
| Brain tumors | / | Assessing sleep disturbances and circadian disruption in people with Primary Brain Tumors Patients | Enrolling | NCT04669574 |
| Prostate cancer | / | Assessing the relationship between ADT treatment, circadian rhythm, and physiological responsiveness | Recruiting | NCT05968144 |
| Lung cancer | / | Assessing the impact of circadian rhythm on the spread of circulating tumor cells | Recruiting | NCT05988970 |
| Breast cancer | / | Assessing the influence of circadian rhythms on cancer-related symptoms | Competed | NCT04401189 |
| Breast cancer | / | Exploring the association between the circadian disruption and cancer progression | Competed | NCT02011815 |
| Breast cancer | / | Investigating circadian disturbances after breast cancer surgery | Competed | NCT01171508 |
| Cervical cancer | / | The circadian cycle may affect the radiation response in patients with cervical cancer | Competed | NCT05511740 |
| Advanced Solid Tumors | ABT-869 | Dosing with food or in the evening has a significant effect on the oral bioavailability of linifanib | Competed | NCT00733187 |
| Breast cancer | / | Assessing the relationship between sleep disruption and circadian hormone dysregulation and survival | Competed | NCT00519168 |
| Breast cancer | tamoxifen / aromatase inhibitor | Exploring the impact of medication according to circadian rhythms on endocrine therapy | Competed | NCT04864405 |
| Prostate cancer | Light therapy | Exploring the effects of bright white light modulating circadian rhythms on tumor-related symptom | Recruiting | NCT05869682 |
| Brain tumors | Radiation therapy | Assessing alterations in circadian rhythms during radiation therapy | Competed | NCT00876499 |
| Neoplasms | / | Exploring relationships between fatigue, circadian rhythm, glucose metabolism and cancer-related fatigue | Active | NCT05256888 |
| Lung cancer | / | Assessing the effects of behavioral interventions on circadian rhythms and survival | Competed | NCT03482323 |
| Hodgkin lymphoma  Diffuse large B cell lymphoma | Light therapy | Light therapy has the potential to be an effective treatment for cancer related fatigue in cancer survivors | Competed | NCT03242902 |
| Blood cancer | / | Assessing the effects of nutrient timing on cancer-related fatigue | Recruiting | NCT06482515 |
| Breast cancer | Light therapy | The findings support using light therapy to manage post-treatment symptoms in breast cancer survivors | Competed | NCT03304587 |
| Breast cancer | Light therapy | Exploring the relationship between light exposure with circadian rhythm and cancer-related fatigue | Competed | NCT03217201 |