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Harnessing Mitotic Catastrophe for Targeted Cancer Treatment

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Introduction

Understanding mitotic catastrophe

The key mechanisms involved in mitotic catastrophe include:

DNA Damage Response (DDR):

Spindle Assembly Checkpoint (SAC):

Apoptotic Pathways:

Strategies to Induce Mitotic Catastrophe in Cancer Cells

biomarkers for response need to be addressed for the successful implementation of these treatments. This approach represents a promising frontier in cancer therapy, with the potential to revolutionize treatment protocols and enhance patient outcomes.

Discussion

Advantages of mitotic catastrophe-based cancer treatment

Challenges and considerations

Future directions

Conclusion

References

1. Engel L George (1977) The Need for a New Medical Model: A Challenge for Biomedicine. Science 196: 129-136.
2. Stajduhar KI, Davies B (2005) Variations in and factors inþuencing family members' decisions for palliative home care. Palliat Med 19: 21-32.
3. Wilson DM, Cohen J, Deliens L, Hewitt JA, Houttekier D (2013) The preferred place of last days: results of a representative population-based public survey. J Palliat Med 16: 502-508.
4. Abel J, Kellehear A, Karapliagou A (2018) Palliative care-The new essentials. Ann Palliat Med 7: 3-14.
5. Nishimura F, Carrara AF, Freitas CE (2019) E ect of the Melhorem Casa program on hospital costs. Rev Saude Publica 53: 104.
6. Greer S, Joseph M (2015) Palliative care: A holistic discipline. Integr Cancer Ther 15: 1-5.
7. Sokol D (2014) Don't forget the relatives. BMJ 349.
8. Noble B (2016) Doctors talking to friends and families. BMJ Support Palliat Care 6: 410-411.

9. Küchler T, Bestmann B, Rapport S, Henne-Bruns D, Wood-Dauphinee S (2007) Impact of psychotherapeutic support for patients with gastrointestinal cancer undergoing surgery: 10 year survival results of a randomised trial. J Clin Oncol 25: 702-708.

10. Borrell-Carrió F, Suchman AL, Epstein RM (2004) The biopsychosocial model 25 years later: principles, practice, and scientiýc inquiry. Ann Fam Med 2: 576-582.