

# Nanomedicine and Nanoscience Technology: Open Access

Editor Note | Volume 2, Issue 4

# Investigation of Late-Seeming Medication-Based Impacts from Molecule Light Emissions

Alireza Heidari<sup>1,2,3,4\*</sup>

<sup>1</sup>California South University, 14731 Comet St. Irvine, CA 92604, USA

<sup>2</sup>BioSpectroscopy Core Research Laboratory, California South University, 14731 Comet St. Irvine, CA 92604, USA
<sup>3</sup>Cancer Research Institute (CRI), California South University, 14731 Comet St. Irvine, CA 92604, USA
<sup>4</sup>American International Standards Institute, Irvine, CA 3800, USA

\*Correspondence: Faculty of Chemistry. Alireza Heidari, California South University, 14731 Comet St. Irvine, CA 92604, USA

Received Date: Aug 02, 2022 / Accepted Date: Oct 05, 2022 / Published Date: Oct 11, 2022

#### Abstract

Fruitful disease patient endurance and neighborhood growth control from hadron radiotherapy warrant a conversation of possible optional late impacts from the radiation. The investigation of late-seeming medication-based impacts from molecule light emissions, carbon, or heavier particles is a (contrasted with different things) new field with not many information.

#### **Keywords**

Hadrontherapy, Radiotherapy, Cancer, Treatment, Cure, Tumors, Oncology, Particle Therapy.

#### Editorial

Fruitful disease patient endurance and neighborhood growth control from hadron radiotherapy warrant a conversation of possible optional late impacts from the radiation. The investigation of late-seeming medication-based impacts from molecule light emissions, carbon, or heavier particles is a (contrasted with different things) new field with not many information. Nonetheless, new medication-based data is accessible. This paper will audit accessible information on late tissue impacts from molecule radiation openings, and talk about its significance to the eventual fate of hadron treatment. Potential late radiation produces/gets going are connected with presented to radiation (normal/ordinarily and standard/solid) tissue volumes in danger that much of the time can be diminished with hadron treatment. In any case, (normal/usually and standard/solid) tissues present inside hadron treatment volumes can (show or demonstrate) further developed reactions contrasted with customary methods of treatment. Late endpoints of concern incorporate enlistment of auxiliary malignant growths, (eye infection that ruins vision), fibrosis, neurodegeneration, (vein related) harm, and immunological, endocrine and (connected with things you get from your folks' qualities) impacts. Low-portion tissue impacts at growth edges need further review, and there is need for additional intense sub-atomic examinations stowed away (under) late impacts of hadron treatment [1-30].

### Acknowledgement

This study was supported by the Cancer Research Institute (CRI) Project of Scientific Instrument and Equipment Development, the National Natural Science Foundation of the United Sates, the International Joint BioSpectroscopy Core Research Laboratory (BCRL) Program supported by the California South University (CSU), and the Key project supported by the American International Standards Institute (AISI), Irvine, California, USA.

## References

- Heidari A, Brown C. Study of Composition and Morphology of Cadmium Oxide (CdO) Nanoparticles for Eliminating Cancer Cells. J Nanomed Res. 2015; 2(5)20:2015.
- Heidari A, Brown C. Study of Surface Morphological, Phytochemical and Structural Characteristics of Rhodium (III) Oxide (Rh<sub>2</sub>O<sub>3</sub>) Nanoparticles. Int J Pharmacol Phytoche Ethnomed. 2015:1(1):15-19.
- 3. Heidari A. An Experimental Biospectroscopic Study on Seminal Plasma in Determination of Semen Quality for Evaluation of Male Infertility. Int J Adv Technol. 2016;7: e007.
- 4. Heidari A. Extraction and Preconcentration of N-Tolyl-Sulfonyl-Phosphoramid-Saeure-Dichlorid as an Anti-Cancer Drug from Plants: A Pharmacognosy Study. J Pharmacogn Nat Prod. 2016;2: e103.
- 5. Heidari A. A Thermodynamic Study on Hydration and Dehydration of DNA and RNA-Amphiphile Complexes. J Bioeng Biomed Sci. 2016;S:006.
- Heidari A. Computational Studies on Molecular Structures and Carbonyl and Ketene Groups' Effects of Singlet and Triplet Energies of Azidoketene O=C=CH–NNN and Isocyanatoketene O=C=CH–N=C=O. J Appl Computat Math.2016;5:e142.
- Heidari A. Study of Irradiations to Enhance the Induces the Dissociation of Hydrogen Bonds between Peptide Chains and Transition from Helix Structure to Random Coil Structure Using ATR–FTIR, Raman and <sup>1</sup>HNMR Spectroscopies. J Biomol Res Ther. 2016;5:e146.
- 8. Heidari A. Future Prospects of Point Fluorescence Spectroscopy, Fluorescence Imaging and Fluorescence Endoscopy in Photodynamic Therapy (PDT) for Cancer Cells. J Bioanal Biomed. 2016;8: e135.
- 9. Heidari A. A Bio-Spectroscopic Study of DNA Density and Color Role as Determining Factor for Absorbed Irradiation in Cancer Cells. Adv Cancer Prev. 2016;1: e102.
- Heidari A Manufacturing Process of Solar Cells Using Cadmium Oxide (CdO) and Rhodium (III) Oxide (Rh<sub>2</sub>O<sub>3</sub>) Nanoparticles. J Biotechnol Biomater.2016;6: e125.
- 11. Heidari A. A Novel Experimental and Computational Approach to Photobiosimulation of Telomeric DNA/RNA: A Biospectroscopic and Photobiological Study. J Res Development 2016;4:144.
- 12. Heidari A. Biochemical and Pharmacodynamical Study of Microporous Molecularly Imprinted Polymer Selective for Vancomycin, Teicoplanin, Oritavancin, Telavancin and Dalbavancin Binding. Biochem Physiol. 2016;5:e146.
- 13. Heidari A. Anti-Cancer Effect of UV Irradiation at Presence of Cadmium Oxide (CdO) Nanoparticles on DNA of Cancer Cells: A Photodynamic Therapy Study. Arch Cancer Res. 2016;4:1.
- Heidari A. Biospectroscopic Study on Multi–Component Reactions (MCRs) in Two A–Type and B–Type Conformations of Nucleic Acids to Determine Ligand Binding Modes, Binding Constant and Stability of Nucleic Acids in Cadmium Oxide (CdO) Nanoparticles–Nucleic Acids Complexes as Anti–Cancer Drugs. Arch Cancer Res. 2016;4:2.
- 15. Heidari A.Simulation of Temperature Distribution of DNA/RNA of Human Cancer Cells Using Time–Dependent Bio– Heat Equation and Nd: YAG Lasers. Arch Cancer Res. 2016;4:2.
- 16. Heidari A. Quantitative Structure–Activity Relationship (QSAR)Approximation for Cadmium Oxide (CdO) and Rhodium (III) Oxide (Rh<sub>2</sub>O<sub>3</sub>) Nanoparticles as Anti-Cancer Drugs for the Catalytic Formation of Proviral DNA from Viral RNA Using Multiple Linear and Non-Linear Correlation Approach. Ann Clin Lab Res. 2016;4:1.
- 17. Heidari A. Biomedical Study of Cancer Cells DNA Therapy Using Laser Irradiations at Presence of Intelligent Nanoparticles. J Biomedical Sci. 2016;5:2.
- 18. Heidari A. Measurement the Amount of Vitamin D2 (Ergocalciferol), Vitamin D3 (Cholecalciferol) and Absorbable Calcium (Ca<sup>2+</sup>), Iron (II) (Fe<sup>2+</sup>), Magnesium (Mg<sup>2+</sup>), Phosphate (PO<sup>4-</sup>) and Zinc (Zn<sup>2+</sup>) in Apricot Using High– Performance Liquid Chromatography (HPLC) and Spectroscopic Techniques. J Biom Biostat. 2016;7:292.
- Heidari A. Spectroscopy and Quantum Mechanics of the Helium Dimer (He<sup>2+</sup>), Neon Dimer (Ne<sup>2+</sup>), Argon Dimer (Ar<sup>2+</sup>), Krypton Dimer (Kr<sup>2+</sup>), Xenon Dimer (Xe<sup>2+</sup>), Radon Dimer(Rn<sup>2+</sup>) and Ununoctium Dimer (Uuo<sup>2+</sup>) Molecular Cations. Chem Sci J. 2016;7: e112.

- 20. Heidari A. Human Toxicity Photodynamic Therapy Studies on DNA/RNA Complexes as a Promising New Sensitizer for the Treatment of Malignant Tumors Using Bio-Spectroscopic Techniques. J Drug Metab Toxicol. 2016;7: e129.
- Heidari A. Novel and Stable Modifications of Intelligent Cadmium Oxide (CdO) Nanoparticles as Anti–Cancer Drug in Formation of Nucleic Acids Complexes for Human Cancer Cells' Treatment. Biochem Pharmacol (Los Angel) 2016;5: 207.
- Heidari A. A Combined Computational and QM/MM Molecular Dynamics Study on Boron Nitride Nanotubes (BNNTs), Amorphous Boron Nitride Nanotubes (a–BNNTs) and Hexagonal Boron Nitride Nanotubes (h–BNNTs) as Hydrogen Storage. Struct Chem Crystallogr Commun 2016;2.
- 23. Heidari A. Pharmaceutical and Analytical Chemistry Study of Cadmium Oxide (CdO) Nanoparticles Synthesis Methods and Properties as Anti–Cancer Drug and Its Effect on Human Cancer Cells. Pharm Anal Chem Open Access. 2016;2:113.
- 24. Heidari A. A Chemotherapeutic and Biospectroscopic Investigation of the Interaction of Double–Standard DNA/RNA-Binding Molecules with Cadmium Oxide (CdO) and Rhodium (III) Oxide (Rh<sub>2</sub>O<sub>3</sub>) Nanoparticles as Anti-Cancer Drugs for Cancer Cells' Treatment", Chemo Open Access. 2016;5: e129.
- 25. Heidari A. Pharmacokinetics and Experimental Therapeutic Study of DNA and Other Biomolecules Using Lasers: Advantages and Applications. J Pharmacokinet Exp Ther. 2016;1:e005.
- Heidari A. Determination of Ratio and Stability Constant of DNA/RNA in Human Cancer Cells and Cadmium Oxide (CdO) Nanoparticles Complexes Using Analytical Electrochemical and Spectroscopic Techniques. Insights Anal Electrochem 2016;2:1.
- 27. Heidari A. Discriminate between Antibacterial and Non–Antibacterial Drugs Artificial Neutral Networks of a Multilayer Perceptron (MLP) Type Using a Set of Topological Descriptors. J Heavy Met Toxicity Dis. 2016;1: 2.
- 28. Heidari A. Combined Theoretical and Computational Study of the Belousov–Zhabotinsky Chaotic Reaction and Curtius Rearrangement for Synthesis of Mechlorethamine, Cisplatin, Streptozotocin, Cyclophosphamide, Melphalan, Busulphan and BCNU as Anti–Cancer Drugs. Insights Med Phys. 2016;1:2.
- 29. Heidari A. A Translational Biomedical Approach to Structural Arrangement of Amino Acids' Complexes: A Combined Theoretical and Computational Study. Transl Biomed. 2016;7:2.
- Heidari A. Ab Initio and Density Functional Theory (DFT) Studies of Dynamic NMR Shielding Tensors and Vibrational Frequencies of DNA/RNA and Cadmium Oxide (CdO) Nanoparticles Complexes in Human Cancer Cells. J Nanomedine Biotherapeutic Discov 2016;6: e144.

**Citation:** Alireza Heidari. Investigation of Late-Seeming Medication-Based Impacts from Molecule Light Emissions. Nanomed Nanosci Technol: Open Access 2022;2(4):1-4.

**Copyright:** © 2022 This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.