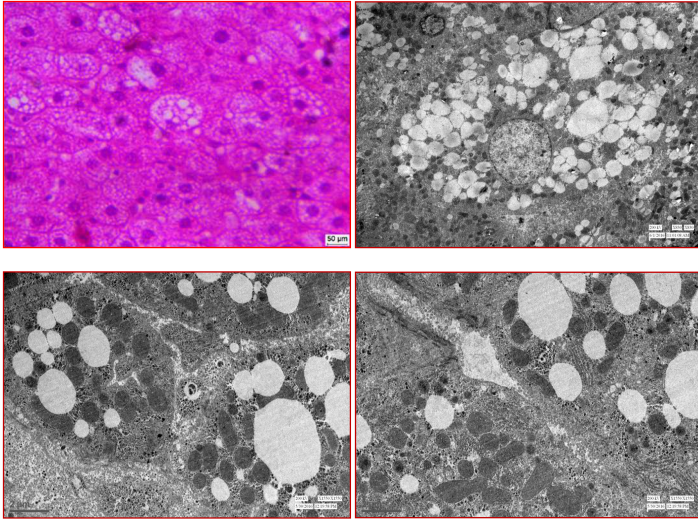


A Handbook on Hepatotoxicity



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A Handbook on Hepatotoxicity

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Contents

Chapters

	Page no
1. An Introduction to Toxicology <i>Satendra Kumar Nirala and Monika Bhadauria</i>	25
2. Biochemical and Physiological Pattern of Hepatotoxicity <i>Monika Bhadauria and Satendra Kumar Nirala</i>	36
3. Histological Pattern of Hepatotoxicity <i>Monika Bhadauria and Satendra Kumar Nirala</i>	51
4. Xenobiotic metabolism and Hepatotoxicity <i>Divya Bisht, Arvind Kumar Shakya and Monika Bhadauria</i>	70
5. Antioxidant Defence Mechanism against Hepatotoxicity <i>Divya Bisht, Satendra Kumar Nirala and Arvind Kumar Shakya</i>	86
6. Acetaminophen induced Hepatotoxicity <i>Monika Sharma, Chandra Kant Sharma, Neetu Sharma, Arvind Kumar Shakya, Sadhana Shrivastava and Monika Bhadauria</i>	99
7. Acrylamide induced Hepatotoxicity <i>Piyush Shukla and Satendra Kumar Nirala</i>	111
8. Aflatoxin induced Hepatotoxicity <i>Shamli S Gupte, Sadhana Shrivastava and Monika Bhadauria</i>	125
9. Aspartame induced Hepatotoxicity <i>Lipika Dash and Gita Mishra</i>	148

10. Carbon tetrachloride induced Hepatotoxicity
*Neetu Sharma, Banita Dhatwalia, Monika Sharma,
 Monika Bhadauria and Sadhana Shrivastava* 158

11. Cyclophosphamide induced Hepatotoxicity
*Ankita Mukherjee, Asim Amitabh Sahu, Satendra Kumar
 Nirala and Monika Bhadauria* 171

12. Diethylnitrosamine induced Hepatotoxicity and
 Hepatocarcinogenesis
Shubham Singh and Monika Bhadauria 180

13. D-galactosamine induced Hepatotoxicity
Samrat Rakshit 190

14. Ethambutol induced Hepatotoxicity
*Amita Jaswal, Sadhana Shrivastava and
 Monika Bhadauria* 200

15. Ethanol induced Hepatotoxicity
Hemeshwer Kumar Chandra 208

16. Heavy Metal induced Hepatotoxicity: Cadmium
*Shahid Yousuf Ganie, Darakhshan Javaid, Syed Sanobar Qadri,
 Satendra Kumar Nirala and Mohd Salim Reshi* 226

17. Heavy Metal induced Hepatotoxicity: Lead
*Samta Sharma, Shubham Singh, Satendra Kumar Nirala and
 Sadhana Shrivastava* 244

18. Heavy Metal induced Hepatotoxicity: Mercury
*Pratima Dutta, Pavitra Behra, Piyush Shukla, Narottam Das
 Agrawal, Mohd Salim Reshi and Satendra Kumar Nirala* 261

19. High Fat Diet induced Hepatotoxicity

	<i>Hemeshwer Kumar Chandra, Gita Mishra, Nisha Sahu, Arvind Kumar Shakya, Piyush Shukla, Satendra Kumar Nirala and Monika Bhadauria</i>	273
20.	Isoniazid induced Hepatotoxicity <i>Nisha Sahu, Gita Mishra, Javid Ahmad Malik, Hemeshwer Kumar Chandra, Amita Jaswal and Monika Bhadauria</i>	295
21.	Lipopolysaccharide induced Hepatotoxicity <i>Samrat Rakshit and Satendra Kumar Nirala</i>	304
22.	Light Metal induced Hepatotoxicity: Aluminum <i>Pavitra Behra, Gita Mishra, Narottam Das Agrawal, Pratime Dutta, Satendra Kumar Nirala and Monika Bhadauria</i>	318
23.	Light Metal induced Hepatotoxicity: Beryllium <i>Narottam Das Agrawal, Anjani Verma, Komal Singh Suman, Pavitra Behra, Pratime Dutta and Satendra Kumar Nirala</i>	329
24.	α -Naphthylisothiocyanate induced Hepatotoxicity <i>Asim Amitabh Sahu, Ankita Mukherjee, Shubham Singh and Monika Bhadauria</i>	348
25.	Polycyclic aromatic hydrocarbon induced Hepatotoxicity <i>Nisha Sahu</i>	365
26.	Pyrazinamide induced Hepatotoxicity <i>Gita Mishra, Nisha Sahu, Javid Ahmad Malik, Hemeshwer Kumar Chandra, Satendra Kumar Nirala and Monika Bhadauria</i>	373
27.	Rifampicin induced Hepatotoxicity <i>Gita Mishra</i>	381

28. Silica induced Hepatotoxicity
*Shruti Saxena, Satendra Kumar Nirala and Sadhana
Srivastava* 388
29. Thioacetamide induced Hepatotoxicity
*Shubham Singh, Asim Amitabh Sahu, Ankita Mukherjee, Pavitra
Behra, Satendra Kumar Nirala and Monika Bhadauria* 402
30. Vanadium induced Hepatotoxicity
Sadhana Shrivastava and Satendra Kumar Nirala 414

Chapter 10

Carbon tetrachloride induced Hepatotoxicity

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Carbon tetrachloride (CCl₄) is a colourless, volatile, non-inflammable liquid formed when chlorine and chloroform react in the presence of light. It is a chlorinated hydrocarbon with the structural formula tetrachloromethane (Teschke, 2018). Carbon tetrachloride (CCl₄) is a significant agent for a variety of applications, including cleaning, industrial agents, and so on. However, it can have a number of negative consequences. This activity focuses on the aetiology of adverse effects, clinical characteristics, evaluation, treatment, and monitoring of CCl₄ toxicity patients by professional health care specialists (Hina, 2022). Cellular damage caused by carbon tetrachloride (CCl₄) may come from either covalent bond formation between reactive intermediates and cellular components or from increased lipid peroxidation caused by free radical intermediates. It destroys