



About the Book

This book "Post Mortem Technique & Poultry Diseases - A Colour Atlas" is an endeavour to establish the on-the-spot diagnosis of diseases under field condition with the guidance of a single book. The on-the-spot diagnosis of diseases under field condition is vital before embarking on protective and curative measures. For proper diagnosis and treatment on-the-spot postmortem is useful tool. Bearing this in mind every prospective poultry farmers must understand the postmortem technique of poultry and hence the chapter postmortem technique has been added in this book in detail with clear photographs.

The guidance offered and the methods suggested have not been fabricated in fantasy and put forwarded from an ivory tower. Instead they have been perfected by years of experience gained from successfully solving the problems. In this book along with Diagnostic Poultry Post-mortem Examination in Avian Medicine, book has also covered 13 Bacterial Diseases, 15 Viral Diseases, 4 Fungal Diseases, 2 Parasitic Diseases, 14 Deficiency Diseases, 6 Managemental Diseases and 7 Miscellaneous Diseases.

Price : Rs. 1800/-, US \$ 80

ISBN. No. : 978-93-83397-27-3

Published by :

Hind Publications

204, Plot No. 19, HUDA Complex,
Saroor Nagar, Hyderabad - 500 035. India.
Phone : 040-24042046, Mobile : 09391378805
E-mail : hindpoultry@hotmail.com

Website : www.hindpoultry.com

Marketed by :

Archana Publishing House

304, Plot No. 19, HUDA Complex,
Saroor Nagar, Hyderabad - 500 035. India.
Mobile : 09440837109
E-mail : pdfmagazine@outlook.com

R.K.. Singh

Postmortem Techniques & Diseases of Poultry A Colour Atlas

Postmortem Techniques & DISEASES OF POULTRY

A Colour Atlas

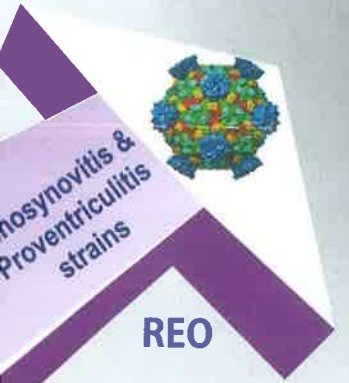
Dr. R.K. Singh



HIND PUBLICATIONS

**Ground-Breaking Indigenous
Ventri's 4-way killed**

with
VISA-15
Ventri's Immuno Stimu



g immunity



Empowering poultry with innovative biologics

VENTRI BIOLOGICALS
(Vaccine Division of VHPL)

'Venkateshwara House', S. No. 114/A/2, Pune Sinhad Road, Pune 411030. Tel.: 020 - 32341865 Fax: +91-20-24251060 / 24251077.

Email: ventri.biologics@venkys.com

www.venkys.com



COLLEGE OF AVIAN SCIENCES & MANAGEMENT
KVASU CAMPUS, THIRUVAZHAMKUNDU

Acc. No. 2196 Call No.

This book should be returned on or before the date last given below.

--	--	--

**Postmortem Techniques
and
Poultry Diseases**

A Colour Atlas

Dr. R.K. Singh

Published By
HIND PUBLICATIONS
Website : www.hindpoultry.com

Published By

Hind Publications

204, Plot No. 19, HUDA Complex,
Saroor Nagar, Hyderabad - 500 035, India.
Phone : 040-24042046, Mobile : 09391378805
E-mail : hindpoultry@hotmail.com,
Website : www.hindpoultry.com

Marketed By

Archana Publishing House

304, Plot No. 19, HUDA Complex,
Saroor Nagar, Hyderabad - 500 035, India.
Mobile : 9440837109
E-mail : pdfmagazine@outlook.com

First Edition : 2016

Price Rs. 1800/- US \$ 80

ISBN. No. : 978-93-83397-27-3

© With Publisher
All Right Reserved

No Part of this publication may be reproduced or stored in a retrieval system or transmitted, in any form or by any means, Electronic, Mechanical, Photo Copying, Recording or otherwise, without the prior written permission of the publisher.

Designed by :

Akshaya Graphics
Chikkadpally, Hyderabad.

Printed at :

Akruthi Offset Printers
Chikkadpally, Hyderabad.

Contents

☞ Diagnostic Poultry Post-mortem Examination in Avian Medicine 9-19

I. BACTERIAL DISEASE

1. Salmonellosis	22
2. Mycoplasmosis	31
3. Infectious Coryza	34
4. Pasteurellosis (Fowl Cholera)	36
5. Necrotic Enteritis	42
6. Omphalitis	46
7. Swollen Head Syndrome	47
8. Staphylococcus	48
9. Cholangiohepatitis	50
10. Avian Tuberculosis	51
11. Botulism	52
12. Proteus	54
13. Klebiella	54

II. VIRAL DISEASE

1. Marek's Disease	56
2. Lymphoid Leucosis	62
3. Newcastle Disease	64
4. Infectious Bronchitis (IB)	71
5. Ulcerative Enteritis	75
6. Fowl Pox	76
7. Infectious Bursal Disease	81
8. Chicken Anemia	85
9. Infectious Laryngotracheitis	87
10. Avian Influenza	90
11. Avian Encephalomyelitis	95
12. Inclusion Body Hepatitis	96
13. Egg Drop Syndrome	97
14. Reovirus Infections	98
15. Adenovirus Infection	100

III. FUNGAL DISEASE	
1. Mycosis	104
2. Mycotoxin	105
3. Dermatomycosis	110
4. Pseudomonas	111
IV. PARASITIC DISEASE	
1. Coccidiosis (Protozoan)	114
2. Helminths	119
V. DEFICIENCY DISEASE	
1. Fatty Liver Haemorrhagic Syndrome	122
2. Cage Layer Fatigue	123
3. Vitamin A	124
4. Vitamin D	124
5. Vitamin E	124
6. Vitamin B2	128
7. Vitamin B6	128
8. Pantothenic Acid	128
9. Biotin	129
10. Sodium Chloride	130
11. Calcium and Phosphorus	130
12. Folic Acid	130
13. Manganese	131
14. Zinc	131
VI. MANAGEMENTAL DISEASE	
1. Beak Necrosis	133
2. Bleeding	133
3. CMP (Carbon Monoxide Poisoning)	134
4. Heat Stress	134
5. Prolapse of Uterus	135
6. Toe Pecking	135
VII. Miscellaneous Disease	
1. Visceral Gout	137
2. Ascitis	140
3. Rupture of Aorta	142
4. Egg Bound Syndrome	143
5. Cyst	143
6. Internal Layer Syndrome	144
7. Subcutaneous Emphysema	144

Preface

This book the: "Post Mortem Technique & Poultry Diseases - A Colour Atlas" is an endeavour to establish the on-the-spot diagnosis of diseases under field condition with the guidance of a single book. The on-the-spot diagnosis of diseases under field condition is vital before embarking on protective and curative measures. For proper diagnosis and treatment on- the -spot postmortem is useful tool. Bearing this in mind every prospective poultry farmers must understand the postmortem technique of poultry and hence the chapter postmortem technique has been added in this book in detail with clear photographs.

The guidance offered and the methods suggested have not been fabricated in fantasy and put forwarded from an ivory tower. Instead they have been perfected by years of experience gained from successfully solving problems that I have encountered in running my own poultry farm.

The shortcoming if any of the book are wholly mine. If the reader is induced to believe that I have rendered at least a service to the extent of a millimeter to the advancement of Indian poultry industry through this book, I would consider it a glorious tribute to my efforts. I shall be satisfied if this book serves as handy tool to farmers for on-the- spot, immediate and accurate diagnosis of diseases under field condition. I am grateful to Hind Publications for timely publishing the book. Author expresses deep sense of gratitude to Dr. K. Ravvi Kummar, Director CPDO (North) for inspiration. Finally I like to express my profound appreciation to my wife Arpana and daughter Aditi for their patience and faith in me. There is no limit for the betterment and in that spirit, suggestion extended by poultry professionals and colleagues for the improvement of the book will be highly appreciated.

Dr. R.K. Singh