# **Pediatrics**

1979

FRANK A. OSKI, M.D. JAMES A. STOCKMAN, III, M.D.

## **Pediatrics**

1979

#### Editor

FRANK A. OSKI, M.D.

Professor and Chairman, Department of Pediatrics, State University of New York Upstate Medical Center

Associate Editor

JAMES A. STOCKMAN, III, M.D.

Associate Professor, Department of Pediatrics, State University of New York Upstate Medical Center





YEAR BOOK MEDICAL PUBLISHERS, INC.

CHICAGO • LONDON

#### Copyright 1979 by YEAR BOOK MEDICAL PUBLISHERS, INC.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission from the publisher.

#### Printed in U.S.A.

Library of Congress Catalog Card Number: CD38-22 International Standard Book Number: 0-8151-6562-5

#### **Publishers' Note**

With the publication of the preceding volume, Dr. Sydney S. Gellis relinquished his editorship of the Year Book of Pediatrics. During the 27 years in this position, he has fashioned the editorial comment into a personal art form. Each year, thousands of readers turned to the Year Book of Pediatrics to see what Doctor Gellis commented regarding the new treatment approaches that were reported in the pediatric literature. His thoughtful, instructive and, many times, humorous comments always helped to keep things in perspective. The publishers wish to thank him for his unstinting editorial effort and constant cooperation during an association lasting over a quarter of a century.

We have been fortunate to secure the services of Dr. Frank A. Oski to become the new editor of the Year Book of Pediatrics. He will be ably assisted by Dr. James A. Stockman, III. Doctor Oski is well qualified for this responsibility because of his broad clinical interests and superb diagnostic skills. He is an outstanding teacher who expresses himself clearly—qualities that the reader will find welcome. We wish Doctors Oski and Stockman well in their new editorship and feel certain that they will continue the fine traditions of the Year Book of Pediatrics.

### **Foreword**

Most pediatricians presently in practice have grown up with the Year Book of Pediatrics at their side.

The older editions were edited by Drs. Isaac A. Abt, Henry G. Poncher and Julius B. Richmond and contained very few editorial comments.

Twenty-five years ago, Dr. Sydney S. Gellis added a new dimension to the Year Book. An astute clinician and diagnostician and a consummate teacher, Doctor Gellis began his editorship by adding a few more editorial comments to the articles. The more recent issues contain many pithy comments by Doctor Gellis as well as invited comments by others. For the past few years it was not unusual to read first what "Gellis says..." and then decide whether or not it was worth one's time to read the article. One soon learned that an article not related to the interests of the reader was made more attractive by Gellis's sense of humor.

It is difficult to conceive of a more suitable successor to Abt, Poncher, Richmond and Gellis than Frank A. Oski. Doctor Oski has many of the characteristics of his predecessors. He is also an astute clinician and diagnostician and a superb teacher. Not only has he been accorded many teaching awards, but he is also past President of the Society for Pediatric Research, recipient of the Mead Johnson Award in Pediatrics and the author of classic books on pediatric hematology. His Whole Pediatrician Catalog has been widely praised for its multiple pearls. His varied interests guarantee a broad selection of the best of the year's published pediatric literature.

Doctor Oski is known for his insatiable energy, enthusiasm and humor. I feel that these personal qualities will help to insure that the YEAR BOOK OF PEDIATRICS will continue to be a necessity for residents and alert pediatricians.

LEWIS A. BARNESS, M.D.

## **Table of Contents**

The material covered in this volume	re	prese	ents	lit	era	itur	e :	revi	ewe	dι	ıp	to	Ma	у,	1978.
CURRENT LITERATURE QUIZ															11
Introduction															15
The Newborn															17
Infectious Disease and Immun	ITY	7 .													75
Allergy and Dermatology															111
DENTISTRY AND OTOLARYNGOLOGY	Υ.									•					123
THE RESPIRATORY TRACT										• 5					145
THE GASTROINTESTINAL TRACT .										•					159
THE GENITOURINARY TRACT															195
THE HEART AND BLOOD VESSELS															223
BLOOD															237
Oncology															259
ENDOCRINOLOGY															273
NUTRITION AND METABOLISM															295
The Musculoskeletal System .															323
Ophthalmology															347
Neurology and Psychiatry										*:				,	365
CHILD DEVELOPMENT										•					393
Adolescent Medicine															407
THERAPEUTICS AND TOXICOLOGY.															417
Miscellaneous															431
Review Articles of Interest t	o o	THE	PE	DIA	TR	ICL	AN	٧.							443
ANSWERS TO CURRENT LITERATU	RE	QIII	7.												449

# **Pediatrics**

1979

FRANK A. OSKI, M.D.
JAMES A. STOCKMAN, III, M.D.



## **Pediatrics**

1979

#### Editor

FRANK A. OSKI, M.D.

Professor and Chairman, Department of Pediatrics, State University of New York Upstate Medical Center

**Associate Editor** 

JAMES A. STOCKMAN, III, M.D.

Associate Professor, Department of Pediatrics, State University of New York Upstate Medical Center



YEAR BOOK MEDICAL PUBLISHERS, INC. CHICAGO • LONDON



#### Copyright 1979 by YEAR BOOK MEDICAL PUBLISHERS, INC.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission from the publisher.

#### Printed in U.S.A.

Library of Congress Catalog Card Number: CD38-22 International Standard Book Number: 0-8151-6562-5

### Publishers' Note

With the publication of the preceding volume, Dr. Sydney S. Gellis relinquished his editorship of the Year Book of Pediatrics. During the 27 years in this position, he has fashioned the editorial comment into a personal art form. Each year, thousands of readers turned to the Year Book of Pediatrics to see what Doctor Gellis commented regarding the new treatment approaches that were reported in the pediatric literature. His thoughtful, instructive and, many times, humorous comments always helped to keep things in perspective. The publishers wish to thank him for his unstinting editorial effort and constant cooperation during an association lasting over a quarter of a century.

We have been fortunate to secure the services of Dr. Frank A. Oski to become the new editor of the Year Book of Pediatrics. He will be ably assisted by Dr. James A. Stockman, III. Doctor Oski is well qualified for this responsibility because of his broad clinical interests and superb diagnostic skills. He is an outstanding teacher who expresses himself clearly—qualities that the reader will find welcome. We wish Doctors Oski and Stockman well in their new editorship and feel certain that they will continue the fine traditions of the Year Book of Pediatrics.

## **Foreword**

Most pediatricians presently in practice have grown up with the Year Book of Pediatrics at their side.

The older editions were edited by Drs. Isaac A. Abt, Henry G. Poncher and Julius B. Richmond and contained very few editorial comments.

Twenty-five years ago, Dr. Sydney S. Gellis added a new dimension to the Year Book. An astute clinician and diagnostician and a consummate teacher, Doctor Gellis began his editorship by adding a few more editorial comments to the articles. The more recent issues contain many pithy comments by Doctor Gellis as well as invited comments by others. For the past few years it was not unusual to read first what "Gellis says..." and then decide whether or not it was worth one's time to read the article. One soon learned that an article not related to the interests of the reader was made more attractive by Gellis's sense of humor.

It is difficult to conceive of a more suitable successor to Abt, Poncher, Richmond and Gellis than Frank A. Oski. Doctor Oski has many of the characteristics of his predecessors. He is also an astute clinician and diagnostician and a superb teacher. Not only has he been accorded many teaching awards, but he is also past President of the Society for Pediatric Research, recipient of the Mead Johnson Award in Pediatrics and the author of classic books on pediatric hematology. His Whole Pediatrician Catalog has been widely praised for its multiple pearls. His varied interests guarantee a broad selection of the best of the year's published pediatric literature.

Doctor Oski is known for his insatiable energy, enthusiasm and humor. I feel that these personal qualities will help to insure that the YEAR BOOK OF PEDIATRICS will continue to be a necessity for residents and alert pediatricians.

LEWIS A. BARNESS, M.D.



## **Table of Contents**

The material covered in this volume rep	resents	lite	ratu	re	revi	ewec	lup	to	Ma	у,	1978.
CURRENT LITERATURE QUIZ				,							11
Introduction											15
The Newborn											17
Infectious Disease and Immunity											75
Allergy and Dermatology											111
Dentistry and Otolaryngology .											123
THE RESPIRATORY TRACT											145
THE GASTROINTESTINAL TRACT											159
The Genitourinary Tract											195
THE HEART AND BLOOD VESSELS .											223
Вгоор											237
Oncology	٠										259
ENDOCRINOLOGY				,							273
NUTRITION AND METABOLISM											295
The Musculoskeletal System											323
OPHTHALMOLOGY	. ,										347
Neurology and Psychiatry											365
CHILD DEVELOPMENT											393
Adolescent Medicine											407
THERAPEUTICS AND TOXICOLOGY											417
Miscellaneous											431
REVIEW ARTICLES OF INTEREST TO T	не Ре	DIA'	TRICI	(A)	٧.						443
Answers to Current Literature	Quiz										449



## **Current Literature Quiz**

The significant advances described in this Year Book introduce new diagnostic and therapeutic procedures useful for treating conditions seen frequently in your practice. The following questionnaire will test your familiarity with the current literature. The correct answers are given in the back of the book.

- Children with hypothyroidism often display relative macrocephaly. True or false?
- 2. Hypothyroidism should be considered in the differential diagnosis of precocious puberty. True or false?

3. All children with thyrotoxicosis will have demonstrable thyroid enlargement. True or false?

4. What topics do adolescents wish to learn more about?

5. What is Nelson's syndrome?

6. What complication of tetracycline therapy for acne should be considered in an adolescent complaining of headache?

7. Early infant-mother bonding is likely to increase the frequency of prolonged breast-feeding. True or false?

8. Infants are not normally capable of imitating facial gestures until age 8-12 months. True or false?

9. The steroid-dependent asthmatic can be expected to derive benefit from the use of beclomethasone diproprionate aerosol. True or false?

10. What new  $\beta_2$ -sympathomimetic agent is superior to epinephrine in the management of the acute asthmatic attack?

11. Drugs administered by intermittent positive-pressure breathing rather than simple nebulization are more effective in the management of the acute asthmatic attack. True or false?

12. What simple physical finding is extremely useful in evaluating the severity of an asthmatic attack?

13. Children with bronchiolitis, who never develop asthma, do not have evidence of impaired pulmonary function when evaluated 10 years after the initial attack. True or false?

14. What are the common manifestations of the fetal trimethadione syndrome?

15. Oral administration of phenytoin is an effective means of achieving therapeutic drug levels in newborn infants. True or false?

16. Name two hazards from gasoline sniffing.

17. What is an effective drug for the treatment of familial Mediterranean fever?

18. The use of central nervous stimulants may precipitate attacks of Gilles de la Tourette's syndrome. True or false?