The American Academy of Pediatrics (AAP) designates this journal-based CME activity for a maximum of 1.00 Part 2 credits by the American Board of Pediatrics through the AAP MOC Portfolio Program.

**Contents**

**NeoReviews**

Vol. 20 No. 3 March 2019

**Editor-in-Chief:** Dana Brodsky, Boston, MA

**Associate Editor:** Josef Neu, Gainesville, FL

**Associate Editor, CME:** Henry C. Lee, Palo Alto, CA

**Associate Editor, NeoQuest:** Rita Dazio, Rochester, NY

**Associate Editor, Perspectives:** Marita Foulion, Bronx, NY

**Associate Editor, Visual Diagnosis:** Beena Sood, Detroit, MI

**Associate Editor, Video Corner:** Anjaliya Vachharajani, Columbus, OH

**Assistant Editor, CME:** Santia A. Zanelli, Charlotte, VA

**Early Career Physician:** Alison Chu, Los Angeles, CA

**Editorial Fellow:** Colby Day, Charleston, SC

**NeoQuest Subcommittee:** Alison Chu, Los Angeles, CA

**Colby Day, Charleston, SC**

**EDITORIAL BOARD**

Alston E. Dunbar II, New Orleans, LA

Sergio Güelichm, Valhalla, NY

Mark Kessel, Denver, CO

Corinne L. Leach, Buffalo, NY

Karen M. Poppiko, Philadelphia, PA

Thomas E. Wirthol, Honolulu, HI

**Liaison, NeoReviewsPlus Self-Assessment:** Elizabeth H. Thrak, Austin, TX

**Liaison, International Neonatal Nurses:** Carole Kenner, Evan, NJ

**Liaison, National Association for Neonatal Nurses:** Carol Waldman, Wellington, CO

**Managing Editor:** Sara Wessing

**Editorial Associate:** Lavanda Tucker

**Medical Copy Editor:** Beena Rao

**Publisher:** American Academy of Pediatrics

**Chief Product and Services Officer/SVP Membership, Marketing, and Publishing:** Mark Germs

**Director, Journal Publishing:** Joseph Purkacz

**MOC Statement**

This activity is approved for 100 points of MOC Part 2 credit by the American Board of Pediatrics. All approved activities must be completed by the MOC Approval End Date. All deadlines and MOC point values should be confirmed by checking the activity on the online submission system. In order to obtain credit for this activity, a copy of the completed CME article, with a minimum passing score of 60% must be sent to the MOC office by the MOC Approval End Date.

**Disclosures**

- Josef Neu, MD, has disclosed he has a research grant from Infant Bacterial Therapeutics.
- Corrine L. Leach, MD, has disclosed that her family member has a paid consultant relationship with Infant Bacterial Therapeutics.
- Martin Keszler, MD, has disclosed that he receives honoraria from and has a research grant from Chiesi, is on the speaker bureau of Mallinckrodt, Inc., and is a paid consultant for Prolacta Bioscience, Inc.
- Sergio Golombek, MD, MPH, has disclosed that he has a research grant from Chiesi, is on the speaker bureau of Mallinckrodt, Inc., and is a paid consultant for Prolacta Bioscience, Inc.
- Martin Kesler, MD, has disclosed that he receives honoraria from and has a research grant with Daugier Medical, Inc., has a research grant with Mallinckrodt, Inc., and is a site principal investigator for a multicenter study supported by the company; serves on the Data Safety Monitoring Board of Chiesi Pharmaceutical, and chairs the Data Safety Monitoring Board for a study supported by Medpost America, Inc.
- Corinne L. Leach, MD, has disclosed that her family member has a paid consultant relationship related to ultrasonic gencmal evaluation of hospital NICU systems.
- Henry Lee, MD, has disclosed that he is the principal investigator on a grant from the Burnee Kennedy Therer National Institute of Child Health and Human Development (R01 HD047252).
- Josef Neu, MD, has disclosed that he has a research grant from Infectious Bacterial Therapeutics.

**Copyright**

© AMERICAN ACADEMY OF PEDIATRICS, 2019. All rights reserved. Printed in USA. No part may be duplicated or reproduced without permission of the American Academy of Pediatrics.

**NeoReviews**™ is supported, in part, through an educational grant from Abbott Nutrition, a division of Abbott Laboratories, Inc.

**MOC Board Disclosures**

The American Academy of Pediatrics (AAP) Policy on Disclosure of Financial Relationships and Resolution of Conflicts of Interest for AAP CME Activities is designed to ensure quality, objective, balanced, and scientifically rigorous AAP CME activities by identifying and resolving all potential conflicts of interest before the confirmation of service of those in a position to influence and/or control the content of AAP CME content. All individuals in a position to influence and/or control the content of AAP CME activities are required to disclose to the AAP and subsequently to learners that the individual either has no relevant financial relationships or any financial relationships with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in CME activities. Commercial interest is defined as any entity producing, marketing, reselling or distributing health-care goods or services consumed by, or used on, patients.

All of the editor board members, reviewers, question writers, and staff have disclosed to the AAP any financial relationships that could create a conflict of interest. All of the editors, board members, reviewers, question writers, or staff has any relevant financial relationships to disclose unless noted below. The AAP has taken steps to resolve any potential conflicts of interest.

**NeoReviews**™ is the official journal of the American Academy of Pediatrics, 345 Park Blvd, Itasca, IL 60143.

**MOC**

This activity is approved for 100 points of MOC Part 2 credit by the American Board of Pediatrics. All approved activities must be completed by the MOC Approval End Date. All deadlines and MOC point values should be confirmed by checking the activity on the online submission system. In order to obtain credit for this activity, a copy of the completed CME article, with a minimum passing score of 60% must be sent to the MOC office by the MOC Approval End Date.

**Disclosures**

- Josef Neu, MD, has disclosed that he has a research grant from Chiesi; is on the speaker bureau of Mallinckrodt, Inc., and is a paid consultant for Prolacta Bioscience, Inc.
- Martin Kesler, MD, has disclosed that he receives honoraria from and has a research grant with Daugier Medical, Inc., has a research grant with Mallinckrodt, Inc., and is a site principal investigator for a multicenter study supported by the company; serves on the Data Safety Monitoring Board of Chiesi Pharmaceutical, and chairs the Data Safety Monitoring Board for a study supported by Medpost America, Inc.
- Corinne L. Leach, MD, has disclosed that her family member has a paid consultant relationship related to ultrasonic gencmal evaluation of hospital NICU systems.
- Henry Lee, MD, has disclosed that he is the principal investigator on a grant from the Burnee Kennedy Therer National Institute of Child Health and Human Development (R01 HD047252).
- Josef Neu, MD, has disclosed that he has a research grant from Infectious Bacterial Therapeutics.

**MOC Statement**

This activity is approved for 100 points of MOC Part 2 credit by the American Board of Pediatrics. All approved activities must be completed by the MOC Approval End Date. All deadlines and MOC point values should be confirmed by checking the activity on the online submission system. In order to obtain credit for this activity, a copy of the completed CME article, with a minimum passing score of 60% must be sent to the MOC office by the MOC Approval End Date.

**Disclosures**

- Josef Neu, MD, has disclosed that he has a research grant from Chiesi; is on the speaker bureau of Mallinckrodt, Inc., and is a paid consultant for Prolacta Bioscience, Inc.
- Martin Kesler, MD, has disclosed that he receives honoraria from and has a research grant with Daugier Medical, Inc., has a research grant with Mallinckrodt, Inc., and is a site principal investigator for a multicenter study supported by the company; serves on the Data Safety Monitoring Board of Chiesi Pharmaceutical, and chairs the Data Safety Monitoring Board for a study supported by Medpost America, Inc.
- Corinne L. Leach, MD, has disclosed that her family member has a paid consultant relationship related to ultrasonic gencmal evaluation of hospital NICU systems.
- Henry Lee, MD, has disclosed that he is the principal investigator on a grant from the Burnee Kennedy Therer National Institute of Child Health and Human Development (R01 HD047252).
- Josef Neu, MD, has disclosed that he has a research grant from Infectious Bacterial Therapeutics.
<table>
<thead>
<tr>
<th>Updated Information &amp; Services</th>
<th>including high resolution figures, can be found at: <a href="http://neoreviews.aappublications.org/content/20/3.citation">http://neoreviews.aappublications.org/content/20/3.citation</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Permissions &amp; Licensing</td>
<td>Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at: <a href="https://shop.aap.org/licensing-permissions/">https://shop.aap.org/licensing-permissions/</a></td>
</tr>
<tr>
<td>Reprints</td>
<td>Information about ordering reprints can be found online: <a href="http://classic.neoreviews.aappublications.org/content/reprints">http://classic.neoreviews.aappublications.org/content/reprints</a></td>
</tr>
</tbody>
</table>