12 Breast masses in children and adolescents
In the pediatric and adolescent population, breast masses are nearly always benign, self-limited and managed conservatively. In contrast to adults, where malignant tumors have a relatively high incidence and often require excision, this article describes the imaging features of developmental variants and breast masses in children and adolescents, and the associated clinical findings that can facilitate diagnosis and appropriate treatment of these patients.
Marlyn J. Siegel, MD, and Allen Chung, MD

18 MRI for appendicitis in pediatric patients
Children with suspected acute appendicitis frequently undergo diagnostic imaging. Computed tomography is a favored imaging modality in this setting because of its accuracy and availability. However, as the medical community has raised concerns about the potential dangers associated with CT’s ionizing radiation exposure, ultrasound is favored by some physicians. Since sonography’s sensitivity for appendicitis is less than CT’s, and it can be limited by operator dependence, patient body habitus, and obscure anatomic locations, MRI has proven to be a suitable alternative for evaluating children with suspected appendicitis.
James M. Brian, MD, and Michael M. Moore, MD

26 THE 3-PIECE SUIT RADIOLOGIST
Don’t stamp older doctors with an expiration date
Sarah Conway, MD

28 TECHNOLOGY TRENDS
Breast Imaging Update
Mary Beth Massat

32 RADIOLOGICAL CASE
Aortic pseudoaneurysm caused by ingested foreign body
Mohamed Nadeem Ahmad, MD; Syed Natur, MD; Zahoor Ahmad, MD; Sathya All A D Ajilwale, MD; Vajjol Ravikumar, MD; and Umadei Manjunath, DNBE

36 RADIOLOGICAL CASE
Duplication cyst of the transverse colon
Christine Schad, MD; Naureen Sheth, MD; and Jeannine Y. Chun, MD

38 RADIOLOGICAL CASE
Traumatic neuroma in axillary dissection scar bed following mastectomy
Jason D. Meisinger, MD; and Stacey M. Crawford, MD

40 WET READ
How did these crumbs get in the keyboard?
C. Douglas Phillips, MD, PACR

Advertiser Index
Bayer HealthCare ........................................ C4
Guidant .................................................. C11
Hologic .................................................. C2
Hornig .................................................... C9
MRI Safety .............................................. C35
Siemens ................................................... C19
Your Health Report ....................................... C3

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1, 2005-2015 Survey of 158 respondents on two sites located in France and Italy.