

IMPORTANT NOTICE

The enclosed syllabus materials have been designed to be **used in conjunction with** their corresponding Audio and/or Video recordings, **NOT** as stand-alone materials.

Therefore, you **MUST** listen to what the presenter is saying about each slide. Sometimes the presenter will put the “negative” of what you should do in print as a reminder to speak about a “contraindication” rather than a recommended therapy.

MEDICAL DISCLAIMER

Medicine is an ever-changing science. As new research and clinical experience broaden our knowledge, changes in treatment and drug therapy are required. The faculty have provided information from sources believed to be reliable in their efforts to provide information that is complete and generally in accord with the standards accepted at the time of their presentations.

Although every effort is made to ensure that this material is accurate and up-to-date, it is provided for the convenience of the user and should not be considered definitive. Since medicine is an ever-changing science, neither the faculty nor American Medical Seminars, Inc. nor any other party who has been involved in the preparation or presentation of these materials warrants that the information contained herein is in every respect accurate or complete, and they are not responsible for any errors or omissions or for the results obtained from the use of such information.

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The following information describes ACCME requirements with regard to the enclosed enduring material activity (audio/video CME course). Additionally, we have included where each of these items can be located within these materials.

- ✓ Principal faculty and their credentials (**Title Page**)
- ✓ Medium or combination of media used (**Course Information**)
- ✓ Method of physician participation in the learning process (**Course Information**)
- ✓ Estimated time to complete the educational activity (same as number of designated credit hours) (**Course Information**)
- ✓ Dates of original release and most recent review or update (**Title Page/Course Information**)
- ✓ Termination date/Expiration date (date after which enduring material is no longer certified for credit). (**Title Page/Course Information**)



AMERICAN MEDICAL SEMINARS®

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Item # VIDVD-152017HMrd

Item # M43CD-152017HMrd

HOSPITAL MEDICINE - RADIOLOGY: PULMONARY EMBOLISM; ABDOMINAL RADIOGRAPHY; MEDIASTINUM AND HEART

PRESENTING FACULTY



Adam R. Guttentag, M.D.

Associate Professor of Clinical Radiology and Radiological Sciences, Section Head, Cardiothoracic Radiology, Vanderbilt School of Medicine, Vanderbilt University Medical Center, Nashville, TN



Ryan J. Smith, M.D.

Clinical Assistant Professor of Radiology, Jefferson Medical College, Thomas Jefferson University; Residency Program Director, Diagnostic Radiology; Staff Radiologist, Einstein Medical Center, Einstein Healthcare Network, Philadelphia, PA



Original Release Date: 7/1/2017
Expiration Date: 7/1/2020

AMA PRA
Category 1 Credits™



CME Sponsor: American Medical Seminars, Inc.
 Activity Title: **Hospital Medicine - Radiology: Pulmonary Embolism; Abdominal Radiography; Mediastinum and Heart**
 Presenting Faculty: Adam R. Guttentag, M.D. and Ryan J. Smith, M.D.

GENERAL COURSE INFORMATION

COURSE INFORMATION

- INTENDED AUDIENCE
- ACCREDITATION
- CERTIFICATION
- STANDARDS OF CARE DISCLOSURE
- FORMAT AND EDUCATIONAL DESIGN
- EXPIRATION
- DISCLOSURE AND OFF-LABEL USE POLICY
- COMMERCIAL SUPPORT
- PATIENT IDENTITY
- COPYRIGHT INFORMATION

SPECIFIC TOPIC OBJECTIVES

DISCLOSURE – PLANNING COMMITTEE AND FACULTY

USEFUL CONTACT INFORMATION

FDA NOTICE - CRITICAL UPDATES


TOPICS

TOPIC 1:	EVALUATION OF PATIENTS WITH SUSPECTED PULMONARY EMBOLISM/GUTTENTAG	1
TOPIC 2:	ABDOMINAL RADIOGRAPHY/SMITH	24
TOPIC 3:	IMAGING THE MEDIASTINUM AND HEART/GUTTENTAG	63



CME Sponsor: American Medical Seminars, Inc.
 Activity Title: **Hospital Medicine - Radiology: Pulmonary Embolism; Abdominal Radiography; Mediastinum and Heart**
 Presenting Faculty: Adam R. Guttentag, M.D. and Ryan J. Smith, M.D.

INTENDED AUDIENCE: Primary Care Practitioners such as Family Medicine, Internal Medicine, Emergency Medicine, General Practice, and even Specialists who would like practical and clinically relevant updates in Primary Care Medicine.

 **ACCREDITATION:** American Medical Seminars, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CME CERTIFICATION STATEMENTS: This CME activity has been approved for the following CME credits when completed as designed:

AMA: American Medical Seminars, Inc. designates this enduring material for a maximum of **5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Non-US Licensed Physicians: The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are eligible for **AMA PRA Category 1 Credits™**.

AAPA: AAPA accepts certificates of participation for educational activities certified for **AMA PRA Category 1 Credit™** from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 5 hours of Category I credit for completing this program.

STANDARDS OF CARE DISCLOSURE: This CME activity presents methods and/or techniques of clinical practice for consideration by physicians for possible incorporation into their practices. This CME activity does not define a standard of care, nor is it intended to dictate an exclusive course of management. Consideration of variations in practice, the strengths and limitations of available facilities, along with individual patient profiles and needs must be taken into account.

FORMAT AND EDUCATIONAL DESIGN: This CME activity includes 3 topics based on lecture and a problem based learning format utilizing cases and/or question and answer sessions for each topic, with a focus on practical, clinical medicine. You will be able to listen to/view the audio/video and follow along with this syllabus. A CME Certificate for up to 5 **AMA PRA Category 1 Credits™** from American Medical Seminars, Inc. will be issued upon successful completion and submission of the post-test, which is also included. You must correctly answer at least 70% of the questions to receive credit.

Estimated time of completion is:	Total 5 Hours
Listening/Viewing to the Audio/Video:	3 Hours
Taking the Post-Test	.5 Hours
Reviewing the Syllabus/References	1.5 Hours

EXPIRATION: This CME activity qualifies for **AMA PRA Category 1 Credits™** for up to (3) three years from the Original Release Date. Returned answer sheets and evaluations that are postmarked after the stated expiration date cannot be considered for CME credits.

ORIGINAL RELEASE DATE: July 1, 2017
EXPIRATION DATE: July 1, 2020

PATIENT IDENTITY: All patients' names used throughout this syllabus and recorded materials are fictitious and any similarities to real names or persons are purely coincidental.

DISCLOSURE AND OFF-LABEL USE POLICY: It is the policy of American Medical Seminars, Inc. (AMS) to ensure balance, independence, objectivity, and scientific rigor in all of its directly sponsored educational activities.

The information presented in this CME activity represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by AMS or its affiliates. Reasonable efforts have been taken intending for educational subject matter to be presented in a balanced, unbiased fashion and in compliance with regulatory requirements. However, each CME activity participant must always use his/her own personal and professional judgment when considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

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CME Sponsor: American Medical Seminars, Inc.
Activity Title: **Hospital Medicine - Radiology: Pulmonary Embolism; Abdominal Radiography; Mediastinum and Heart**
Presenting Faculty: Adam R. Guttentag, M.D. and Ryan J. Smith, M.D.

PURPOSE

The purpose of the American Medical Seminars, Inc. CME Program is to develop and deliver clinically relevant, evidence-based CME activities in an effort to align physician behavior with current clinical guidelines and the evidence to improve their competence and the care they provide their patients.

OVERALL OBJECTIVES

Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis, and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

SPECIFIC OBJECTIVES FOR EACH TOPIC:

TOPIC 1: Evaluation of Patients with Suspected Pulmonary Embolism

Upon completion of this session, the participant should be able to: ^{EBM, COMP}

1. Develop an evidence based algorithm for the use of imaging in evaluation of patients with possible thromboembolic disease.
2. Discuss advantages and disadvantages of various imaging techniques in PE evaluation.
3. Integrate d-Dimer testing into evaluation of patients with suspected pulmonary embolism when appropriate.

TOPIC 2: Abdominal Radiography

Upon completion of this session, the participant should be able to: ^{COMP}

1. Determine when abdominal radiographs are appropriate in evaluating patients with abdominal pain.
2. Establish a pattern for evaluating plain radiographs of the abdomen.
3. Distinguish normal from abnormal bowel gas patterns.

TOPIC 3: Imaging the Mediastinum and Heart

Upon completion of this session, the participant should be able to: ^{COMP}

1. Develop an approach to analyzing the mediastinum on chest radiography.
2. Develop an appropriate differential diagnosis for a mediastinal mass based on location.
3. Discuss current indications for gated cardiac CT Angiography.



CME Sponsors: American Medical Seminars, Inc.
Activity Location: Sarasota, Florida
Activity: 31st Series Live Activities (November, 2016 through June, 2017)

COMMERCIAL SUPPORT:

Disclosure of Relevant Financial Relationships & Conflict of Interest Policy

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and/or interests are identified, this support must not be for any AMS CME activity.

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By completing the following information and signing below, I attest that I have read, understand and have fully disclosed the requested information. By answering yes, I also understand that I must attach written disclosure documenting the nature of the 'relevant' financial relationship(s) as defined by the ACCME and required by AMS.

Cooperation in complying with full disclosure is a requirement for participation as a planning committee member.

Print Name: D. Reece Pierce, PA-C, Director of CME

- Yes, I have
Yes, my Spouse/Partner has relevant financial relationships with one or more commercial interest(s).
No, I do not have
No, my Spouse/Partner does not have relevant financial relationships with any commercial interests.

Signature: [Handwritten Signature] Date: 3/7/17

Print Name: Dagmar Pierce, MPH

- Yes, I have
Yes, my Spouse/Partner has relevant financial relationships with one or more commercial interest(s).
No, I do not have
No, my Spouse/Partner does not have relevant financial relationships with any commercial interests.

Signature: [Handwritten Signature] Date: 3/7/17

Print Name: Herbert L. Muncie, Jr., M.D.

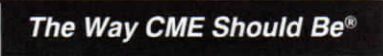
- Yes, I have
Yes, my Spouse/Partner has relevant financial relationships with one or more commercial interest(s).
No, I do not have
No, my Spouse/Partner does not have relevant financial relationships with any commercial interests.

Signature: [Handwritten Signature] Date: 3/7/17

Print Name: Gina Felicita-Martin

- Yes, I have
Yes, my Spouse/Partner has relevant financial relationships with one or more commercial interest(s).
No, I do not have
No, my Spouse/Partner does not have relevant financial relationships with any commercial interests.

Signature: [Handwritten Signature] Date: 3/19/17



CME Sponsors: American Medical Seminars, Inc.
Faculty Name: Adam R. Guttentag, M.D.
Activity Title: Radiology for the Non-Radiologist
Activity Dates: April 24-28, 2017

SECTION I: Commercial Support: Disclosure of Relevant Financial Relationships & Conflict of Interest Policy

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The ACCME defines "relevant" financial relationships as financial relationships in any amount occurring within the past 12 months that create a conflict of interest. Circumstances create a conflict of interest when an individual has an opportunity to effect CME content about products or services of a commercial interest with which the faculty, or their spouse/partner, has a financial relationship.

presenting faculty will be withdrawn from planning/participating in the CME activity. When relevant financial relationships and/or interests are identified, this support must not be for this AMS CME activity.

A financial relationship is relevant if the faculty member will present the products or services of the proprietary entity. Financial relationships are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria, ownership interest (e.g., stocks, stock options or other ownership interest, excluding diversified mutual funds), or other financial benefit.

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Yes, I have Yes, my Spouse/Partner have relevant financial relationships with one or more commercial interest(s) in the context of the subject of this/these presentation(s).
No, I do not No, my Spouse/Partner does not have relevant financial relationships with any commercial interests.
If you checked Yes, to avoid the appearance of commercial bias, you agree to:
i. Support your presentations and clinical recommendations with the best available peer reviewed evidence from the medical literature.
ii. Refrain from making recommendations regarding products/services, i.e., limit presentation(s) to prevention, diagnosis, treatment &/or research findings in a non-promotional manner.
iii. Submit your presentation(s) no less than 4 weeks prior to your presentation to allow for adequate review.

Table with 3 columns: Commercial Interest, Nature of Relevant Financial Relationship (Remuneration, Role), and empty cells for data entry.

SECTION II: Disclosure and Off-Label Use Policy

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considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

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Do you intend to discuss an off-label use of any product or device during the presentation and/or a product or device that is still experimental/investigational or not FDA yet approved for use during any of your presentations?
Yes - please identify the product(s)/device(s) in the space provided on the reverse side of this document.
No - please move on to Section III

SECTION III: Attestation

- 1. All the recommendations involving clinical medicine in this CME activity are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.
2. All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.
3. I will uphold academic standards to ensure balance, independence, objectivity and scientific rigor.
4. I agree to comply with the requirements to protect health information under the Health Insurance Portability & Accountability Act of 1996 (HIPAA).

By signing here I attest that I have read, understand and have fully disclosed the above referenced information.

Adam Guttentag 3/17/17
Signature Date

Note: Your cooperation in complying with full disclosure is a requirement for your participation as a speaker.



CME Sponsors: American Medical Seminars, Inc.
Faculty Name: Ryan K. Lee, M.D., M.B.A.
Activity Title: Radiology for the Non-Radiologist
Activity Dates: April 24-28, 2017

SECTION I: Commercial Support: Disclosure of Relevant Financial Relationships & Conflict of Interest Policy

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presenting faculty will be withdrawn from planning/participating in the CME activity. When relevant financial relationships and/or interests are identified, this support must not be for this AMS CME activity.

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Form with checkboxes for 'Yes, I have...' and 'No, I do not...'. Includes instructions for completing the section and a list of requirements (i, ii, iii) for those who checked 'Yes'.

Table with 3 columns: Commercial Interest, Nature of Relevant Financial Relationship (Remuneration), and Role. Includes instructions to include all that apply.

SECTION II: Disclosure and Off-Label Use Policy

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Form asking 'Do you intend to discuss an off-label use of any product or device during the presentation and/or a product or device that is still experimental/investigational or not FDA yet approved for use during any of your presentations?' with Yes/No options.

SECTION III: Attestation

- 1. All the recommendations involving clinical medicine in this CME activity are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.
2. All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.
3. I will uphold academic standards to ensure balance, independence, objectivity and scientific rigor.
4. I agree to comply with the requirements to protect health information under the Health Insurance Portability & Accountability Act of 1996 (HIPAA).

By signing here I attest that I have read, understand and have fully disclosed the above referenced information.

Note: Your cooperation in complying with full disclosure is a requirement for your participation as a speaker.

Handwritten signature and date 4/11/17

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AAFP American Academy of Family Physicians
11400 Tomahawk Creek Pkwy
Leawood, KS 66211-2680 www.aafp.org
Phone: 800-274-2237 or 913-906-6000
Fax: 913-906-6075

AAP American Academy of Pediatrics
141 N.W. Point Blvd.
Elk Grove Village, IL 60007-1098 www.aap.org
Phone: 847-434-4000 or 800-433-9016
Fax: 847-434-8000

AAPA American Academy of Physician Assistants
2318 Mill Rd., Suite 1300
Alexandria, VA 22314 www.aapa.org
Phone: 703-836-2272
Fax: 703-684-1924

ACEP American College of Emergency Physicians
P.O. Box 619911
Dallas, TX 75261-9911 www.acep.org
Phone: 800-798-1822 or 972-550-0911
Fax: 972-580-2816

ACOG American Congress of OB/GYN
PO Box 70620
Washington, D.C. 20024-9998 www.acog.org
Phone: 800-673-8444 or 202-638-5577

AMA American Medical Association
330 N. Wabash Ave., Suite 39300
Chicago, IL 60611 www.ama-assn.org
Phone: 312-464-4430
Members: 800-621-8335

American Heart Association National Center
7272 Greenville Ave.
Dallas, TX 75231 www.heart.org/HEARTORG/
Phone: 800-242-8721

AOA American Osteopathic Association
142 E. Ontario St.
Chicago, IL 60611 <http://www.osteopathic.org>
Phone: 888-626-9262
Fax: 312-202-8200

Button Battery Hotline – National
3201 New Mexico Ave Suite 310
Washington, DC 20016 www.poison.org/battery
Phone: 202-625-3333

Center for Disease Control (CDC)
1600 Clifton Rd.
Atlanta, GA 30329-4027 www.cdc.gov
Phone: 800-232-4636 or 888-232-6348
HIV/Aids Hotline: 800-232-4636 (National)
Immunization Hotline: 800-232-4636 (National)
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Food Information & Seafood Hotline: 888-723-3366
USDA Meat & Poultry Hotline: 888-674-6854

FL Department of Health www.floridahealth.gov
4052 Bald Cypress Way, Bin # A04
Tallahassee, FL 32399-1701
Phone: 850-245-4444

FL Board of Medicine
4052 Bald Cypress Way, Bin C-03
Tallahassee, FL 32399-3253 <http://flboardofmedicine.gov>
Phone: 850-488-0595
Fax: 850-488-0596

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<https://travel.state.gov/content/travel/en.html>
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International Assn. for Medical Assistance to Travelers
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Niagara Falls, NY 14304-1745 www.iamat.org
Phone: 716-754-4883

National Cancer Institute
9609 Medical Center Drive
Bethesda, MD 20892-9760 www.cancer.gov
Phone: 800-4-CANCER (22-6237)

The National Institute of Occupational Safety and Health
1600 Clifton Rd.
Atlanta, GA 30329-4027 www.cdc.gov/niosh/
Phone: 800-232-4636

National Jewish Health
1400 Jackson St.
Denver, CO 80206 www.nationaljewish.org
Phone: 877-225-5654
Lungline: 800-222-5864
Physician Ref: 800-652-9555

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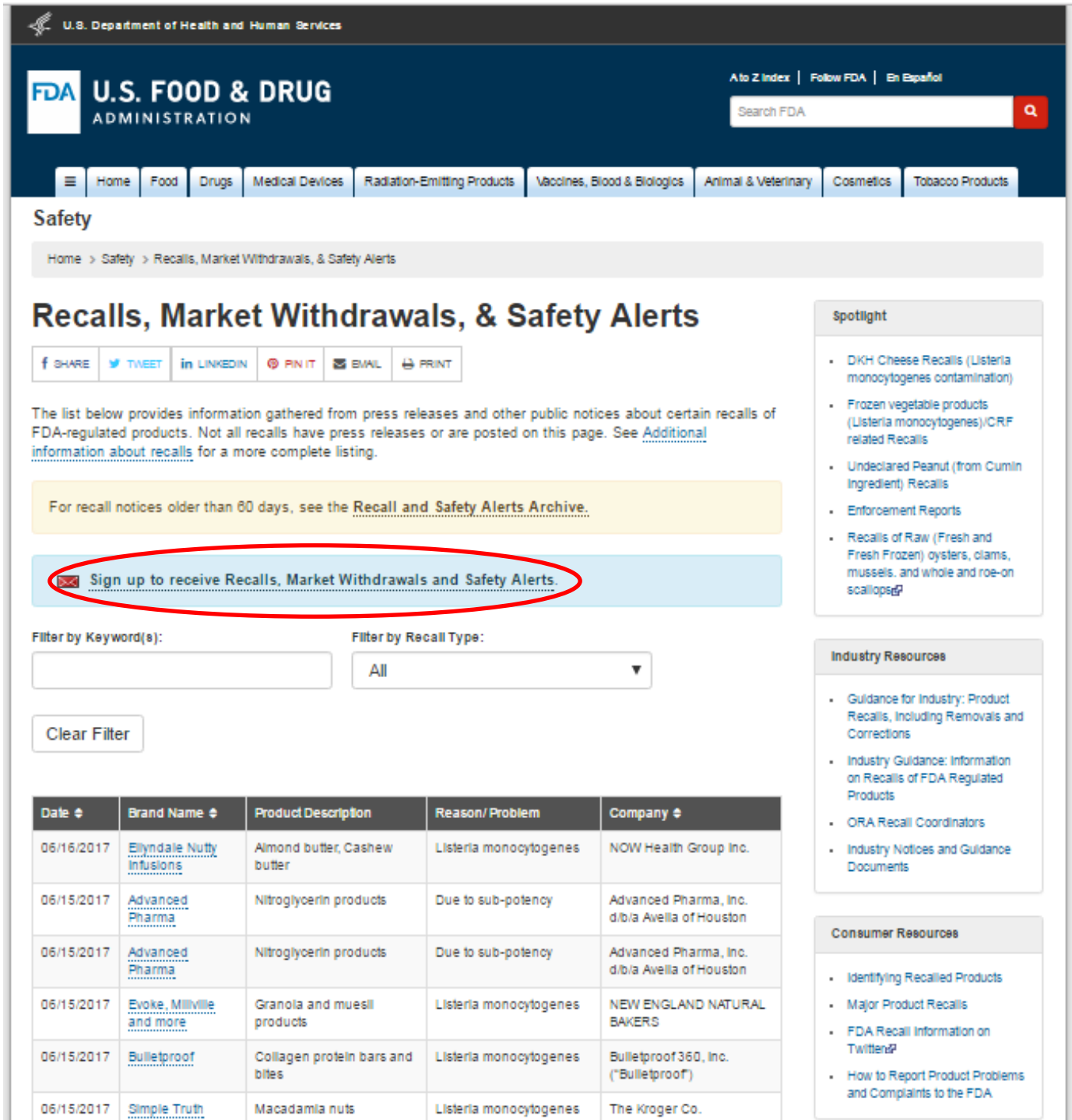
Smoking Cessation
Agency for Healthcare Research and Quality
5600 Fisher Lane, 7th Floor
Rockville, MD 20857 www.ahrq.gov
Clinical Practice Guideline www.ahrq.gov/clinic/cpgsix.htm
Phone: 301-427-1364

Underwater Diving & Oxygen First Aid Manual
Divers Alert Network (DAN)
6 W. Colony Place
Durham, NC 27705 www.diversalertnetwork.org
Phone: 919-684-2948 or 800-446-2671
Fax: 919-490-6630

WHO/PAHO World Health Organization
525 23rd St NW
Washington, D.C. 20037 www.who.int/en/
Phone: 202-974-3000
Fax: 202-974-3663

IMPORTANT NOTICE REGARDING FDA RECALLS, MARKET WITHDRAWALS & SAFETY ALERTS:

Since FDA warnings and product withdrawals occur so frequently, the FDA now provides email subscription alerts. These alerts were created in an effort to communicate new and emerging drug safety issues to all healthcare professionals. You may subscribe to these email alerts by going to the FDA website at: <http://www.fda.gov/Safety/Recalls/default.htm>



U.S. Department of Health and Human Services

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A to Z Index | Follow FDA | En Español

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Home | Food | Drugs | Medical Devices | Radiation-Emitting Products | Vaccines, Blood & Biologics | Animal & Veterinary | Cosmetics | Tobacco Products

Safety

Home > Safety > Recalls, Market Withdrawals, & Safety Alerts

Recalls, Market Withdrawals, & Safety Alerts

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The list below provides information gathered from press releases and other public notices about certain recalls of FDA-regulated products. Not all recalls have press releases or are posted on this page. See [Additional information about recalls](#) for a more complete listing.

For recall notices older than 60 days, see the [Recall and Safety Alerts Archive](#).

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Filter by Keyword(s):

Filter by Recall Type:

Date ↕	Brand Name ↕	Product Description	Reason/ Problem	Company ↕
06/16/2017	Elyndale Nutty Infusions	Almond butter, Cashew butter	Listeria monocytogenes	NOW Health Group Inc.
06/15/2017	Advanced Pharma	Nitroglycerin products	Due to sub-potency	Advanced Pharma, Inc. d/b/a Avella of Houston
06/15/2017	Advanced Pharma	Nitroglycerin products	Due to sub-potency	Advanced Pharma, Inc. d/b/a Avella of Houston
06/15/2017	Evoke, Millville and more	Granola and muesli products	Listeria monocytogenes	NEW ENGLAND NATURAL BAKERS
06/15/2017	Bulletproof	Collagen protein bars and bites	Listeria monocytogenes	Bulletproof 360, Inc. ("Bulletproof")
06/15/2017	Simple Truth	Macadamia nuts	Listeria monocytogenes	The Kroger Co.

Spotlight

- DKH Cheese Recalls (Listeria monocytogenes contamination)
- Frozen vegetable products (Listeria monocytogenes)/CRF related Recalls
- Undeclared Peanut (from Cumin Ingredient) Recalls
- Enforcement Reports
- Recalls of Raw (Fresh and Fresh Frozen) oysters, clams, mussels, and whole and roe-on scallops

Industry Resources

- Guidance for Industry: Product Recalls, Including Removals and Corrections
- Industry Guidance: Information on Recalls of FDA Regulated Products
- ORA Recall Coordinators
- Industry Notices and Guidance Documents

Consumer Resources

- Identifying Recalled Products
- Major Product Recalls
- FDA Recall Information on Twitter
- How to Report Product Problems and Complaints to the FDA