Geriatrics Virtual Patient Cases for Surgical and Related Medical Sub-Specialists

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Overview of Novel Geriatric Virtual Case Module Curriculum

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Disclosures

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Introduction

- Older adults account for the majority of healthcare visits managed by adult specialists.

- There is a gap in on-line educational content addressing clinical care issues that impact the care of geriatric patients by specialists.
Purpose

- Our PURPOSE was to create a set of geriatrics Virtual Patient Cases (VPCs) that
  1) use multimedia and realistically presented clinical tasks to pose key challenges in caring for older patients
  2) provide feedback and education applicable across specialties in the delivery of high-quality care to older adults
  3) fulfill Maintenance of Certification requirements for Lifelong Learning and Self-Assessment (LL-SA)
What are Virtual Patient Cases (VPCs)?

- Cases organized around presenting problems/clinical presentations that unfold over time
- Each patient snapshot has one or more associated “assessment points” (AP)
- Each AP poses a clinical task
- Video and multimedia are used to provide more realistic, authentic depictions of clinical situations and patient findings
VPC Elements

- **Video**
  - Each VPC will have one video
  - Video will be used to provide a more realistic, depiction of clinical situations

- **End-of-VPC Discussion**
  - A detailed explanation of the case
  - Highlight all Key Learning
  - Provide citations.

- **Post-test CME Single Best Answer Questions**
A cross-cutting issue is a clinical topic important for the care of older adults across all specialties.
## Cross Cutting Issues

<table>
<thead>
<tr>
<th>Topic</th>
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<tbody>
<tr>
<td>Goals and Decision Making</td>
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<td>Assessing capacity, Goals and Decision Making</td>
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<tr>
<td>End-of-Life issues, transition to hospice care</td>
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<tr>
<td>Assessment, management, and intervention</td>
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<td>Team-based inpatient care pathways</td>
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<tr>
<td>Frailty recognition, quantification, and management</td>
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<td>Preoperative high-risk screening,</td>
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<td>Delirium - diagnosis, prevention, management</td>
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<tr>
<td>Care Transitions</td>
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<td>Perioperative medication management, Polypharmacy</td>
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## Cross Cutting Issues

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<tr>
<td><strong>Goals and Decision Making</strong></td>
<td>An 84-year-old woman is brought to the ED because of a 2-day history of nausea and vomiting, and a 30-lb weight loss over 6 months.</td>
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<tr>
<td><strong>Assessing capacity, Goals and Decision Making</strong></td>
<td>An 84-year-old man with a known AAA presents for an annual follow-up visit 10 days after routine surveillance ultrasonography.</td>
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<tr>
<td><strong>End-of-Life issues, transition to hospice care</strong></td>
<td>An 80-year-old man with COPD and Stage III esophageal cancer develops acute respiratory and renal failure.</td>
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**Scene 1** 83-year-old man in ED for fever and altered mental status.

| AP 1 | Indicate factors that predispose delirium | Pick N |
| AP 2 | Medications orders for admission. | Medication Reconciliation |

**Scene 2** Patient admitted agitation persists

**Video** Interview patient (daughter present) to assess delirium, and perform Confusion Assessment Method (CAM).

| AP 3 | Interpret CAM. | Pick N |
| AP 4 | Order diagnostic studies | Pick N |

**Scene 3** Delirium is confirmed.

| AP 5 | Indicate hospital plan of care | Short Answer |
| AP 6 | Select pharmacotherapy. | MCQ |
Multi-Media Portrayals

- Illustrates approaches to counseling a patient to manage expectations about treatment options
- Illustrates communication challenges in interacting with a family member who is confrontational
- Illustrates interdisciplinary team communication and shared decision making
- Illustrates shared decision making with patient, family, and surgeon
- Presents a scenario where a family member needs to be contacted by phone to corroborate information provided by the patient
- Illustrates use of screening tools for diagnosing delirium
Key Learning Points

- Evaluation, prevention, and treatment of delirium
- Recognition of the unique needs of the older adult during a hospitalization

Feedback about the correct/incorrect answers will provided following each AP

4-Item Post-Test
Response Formats

- Single-best-answer multiple-choice questions
- Video response options
- Pick N
- Short answer
- Structured response
  - Discharge orders
  - Postop orders
  - Admission orders
  - Differential diagnosis
Writing Group

- Geriatricians (5)
- Anesthesia (3)
- General Surgery (2)
- Urology (2)
- Emergency Medicine (1)
- Ophthalmology (1)
- Orthopedics (1)
- Vascular (1)
Case Demonstration

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Case Demonstration

- Elder abuse: Assessment, management, and intervention in the context of a patient who presents with an orbital fracture following eye surgery
  - Link #1: https://www.programworkshop.com/6.0.0.0/program/test/launchtest.aspx?programid=236&uid=648f1eb0-202d-47cc-9477-4b3a58bf55ba&sc=HybX9Ap5xM9Fn+pvc7of3A
  - Link #2: https://www.programworkshop.com/6.0.0.0/program/test/launchtest.aspx?programid=236&uid=6ab5be12-7f37-4fd6-9488-7fde31b49964&sc=Ilzu8twMVwlfl6reY230jw
Accessing the Cases and Dissemination

Myron Miller, MD, AGSF, FACP, Professor of Medicine, Johns Hopkins University, Sinai Hospital of Baltimore
Targeted Specialties

- Anesthesiology
- Emergency Medicine (available through the GEMSSTAR for Emergency Medicine Supplemental Funding Program through SAEM Foundation)
- General Surgery
- Gynecology
- Ophthalmology
- Orthopaedic Surgery
- Otolaryngology
- Physical Medicine and Rehabilitation
- Thoracic Surgery
- Urology
- Vascular Surgery
Case Details

- 9 cases launched September 2019 (one additional case coming soon)
- Case topics include:
  - Team-based inpatient care pathways
  - Care transitions
  - Delirium
  - Perioperative medication management and polypharmacy
  - Elder abuse
Cases have been approved for MOC by the following Boards (varies by case):

- American Board of Colon and Rectal Surgery (ABCRS)
- American Board of Physical Medicine and Rehabilitation (ABPMR)
- American Board of Anesthesiology (ABA)
- American Board of Family Medicine (ABFM)
- American Board of Internal Medicine (ABIM)
- American Board of Neurological Surgery (ABNS)
- American Board of Psychiatry and Neurology (ABPN)
- American Board of Surgery
- American Board of Thoracic Surgery (ABTS)
- American Board of Urology (ABU)
Accessing the Cases

• Access to VPC cases is available at GeriatricsCareOnline.org

• The case modules are available for free to the first 1,000 subscribers through 2020.

• The cases each provide the option for diplomates to apply for either AMA PRA Category 1 Credit(s)™ or Maintenance of Certification (MOC) points.

• Not all cases need to be completed at an access session. The diplomate can select the number of cases to be completed at each session and return again for the additional cases.
In partnership between AGS and ABMS, the VPCs have been promoted to:

- AGS’ Geriatrics-for-Specialists Initiative Members and Grantees
- Key Surgical Publications, ABMS Board of Directors, ABMS/AGS websites and social media,
- Comnet
- Newsletters and other regular email alerts
Press Release sent to the following organizations:
- Accreditation Council for Continuing Medical Education (ACCME)
- American Hospital Association (AHA)
- American Medical Association (AMA)
- Association of American Medical Colleges (AAMC)
- Council of Medical Specialty Societies (CMSS)
- Educational Commission for Foreign Medical Graduates (ECFMG)
- Federation of State Medical Boards (FSMB)
- National Board of Medical Examiners (NBME)
American Geriatrics Society’s Geriatrics Virtual Patient Case Modules for Surgical and Related Medical Sub-Specialties

Marketing Toolkit

American Urological Association
The VPC story in the ABMS Newsletter will be disseminated to:

- All ABMS Member Boards and Staff
- ABMS Board of Directors
- ABMS 24 Member Board Executives
- ABMS Research and Education Foundation Board of Directors
- ABMS Visiting Scholars
ABMS Insights

- Quarterly External Newsletter with distribution to nearly 4,000 readers:
  - Comnet Readers
  - ABMS Associate Members, Leaders and Staff
  - ABMS Portfolio Program Sponsors Staff
  - ABMS Conference Attendees, Exhibitors and Sponsors
  - Medical and Professional Society Leaders
  - QI Forum Attendees
Feature Articles

- The Society for Academic Continuing Medical Education (SACME)
- Continuing Certification (MOC) Directory
Member Reports

• VPC Information will be included in the following reports:
  • CMSS Associate Member Report
  • AMA Associate Member Report
  • ECFMG Associate Member Report
  • FSMB Associate Member Report
  • AAMC Associate Member Report
  • ACCME Associate Member Report