Global JVS Journal Club for Your Vascular Surgery Training Programs

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Assistant Editor, Journal of Vascular Surgery
Press Release and Social Media
Who invented “Journal Club”?

- **1800s, England: Sir James Paget**
  - “a kind of club...held in a small room near the Hospital-gate... where we could sit and read the journals”

- **1875, McGill U: Sir William Osler**
  - “for the purchase and distribution of periodicals to which he could ill afford to subscribe”
  - “hardly a subject could be mentioned that did not lead to further work in view of the free and suggestive exchange of ideas”

Bowles et al., British Journal of Hospital Medicine, 2013
Definition/Purpose

• “an educational meeting in which a group of individuals discuss current articles, providing a forum for a collective effort to keep up with the literature”

• “to facilitate the review of a specific research study and to discuss implications of the study for clinical practice”

Dwarakanath and Khan, Hosp Med, 2000
AJCC Journal Club, 2002
Benefits

• Increases knowledge base
  – “it would take more than 600h/month to stay current with the medical literature”
• Introduces new practice ideas
• Teaches how to critically evaluate the literature
• Stimulates research
• Builds teams

Alper et al. J Med Libr Assoc 2004
Lee et al. Ophthalmology 2006
ACGME and Journal Clubs

• “Programs must ensure that journal club sessions are sufficient in number for resident physicians to become familiar with the major peer-reviewed journals”
What are the best formats?

- Frequency: Monthly
- Timing: Evening
- Location: Faculty member’s home; food available
- Papers: common theme, circulated well in advance of discussion

Jouriles et al., Academic Emergency Medicine, 1996
Social Media and the JClub?

• Common platform for debate amongst healthcare professionals

• Potential advantages:
  – Immediate access to authors
  – Increased participation, including internationally
  – Forum to explore further questions and applications
  – Inclusion of non-healthcare professionals
  – Promotion of one’s work outside of journal format

Bowles it al., British Journal of Hospital Medicine, 2013
Pilot project: JVS JClub

- Three meetings (two Thursdays, one Sunday)
- Participation by fellows/residents/medical students/faculty (Jefferson, UCLA, Temple, Mayo, Elsevier (up to 12 participants)
- Articles (3) distributed in advance
Pilot project: JVS JClub

• **Media platform:** Zoom.us
  – Excellent video/audio quality (PC, mobile)
  – Screen sharing
  – Private/group chat functionality
  – Up to 100 participants

• **Subsequent blog:** Mendeley
  – Papers, slides and recorded session posted
  – Available for 1-2 weeks after the club for others to participate/comment

APDVS March 2018
From the Midwestern Vascular Surgical Society

Iliac vein compression in an asymptomatic patient population

Melina R. Kibbe, MD, Michael Ujiki, MD, A. Lee Goodwin, RT(R)(CT), Mark Eskandari, MD, James Yao, MD, and Jon Matsunura, MD, Chicago, Ill

Vascular Journal Club

Stephen Gadomski, MD
PGY-3 Thomas Jefferson University
Methods

- Retrospective study

- Reviewed data for pts from 2008-2015 with suspected MTS
  - 102 pts identified
  - Excluded pts w/ chronic iliocaval lesions not associated with compression of LCIV

- Criteria for intervention
  - 1) Leg edema/venous claudication w/ associated collaterals
  - 2) Diagnostic venogram showed evidence of physiologically significant MTS compression
  - 3) IVUS showed >50% luminal narrowing
**Methods**

- Used PREVENT III trial database
  - Project of Ex Vivo graft Engineering via Transfection III
  - Prospective, randomized, double-blind, multi-center
- Study was used to examine novel pharm agent (edifologide) to assist with graft patency
  - Theory is drug reduced neointimal hyperplasia
  - Study showed no benefit
- 1404 North American pts with CLI
  - 83 hospitals

**Table I. Patient characteristics in the PREVENT III cohort**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Count</th>
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<tbody>
<tr>
<td>Patients</td>
<td></td>
</tr>
<tr>
<td>Age (mean ± SD)</td>
<td></td>
</tr>
<tr>
<td>Female gender</td>
<td></td>
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<tr>
<td>Race/ethnicity</td>
<td></td>
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<tr>
<td>Caucasian</td>
<td></td>
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<tr>
<td>African-American</td>
<td></td>
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<tr>
<td>Other</td>
<td></td>
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<tr>
<td>Risk factors for PVD</td>
<td></td>
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<tr>
<td>Smoking</td>
<td></td>
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<tr>
<td>Diabetes mellitus</td>
<td></td>
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<tr>
<td>Hypertension</td>
<td></td>
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<tr>
<td>Coronary artery disease</td>
<td></td>
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<tr>
<td>Prior CABG</td>
<td></td>
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<tr>
<td>Dialysis-dependent renal failure</td>
<td></td>
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<tr>
<td>Prior infrainguinal bypass graft (either extremity)</td>
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<tr>
<td>CLI criterion (most severe)</td>
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<tr>
<td>Rest pain</td>
<td></td>
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<tr>
<td>Nonhealing ulcer</td>
<td></td>
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<tr>
<td>Gangrene</td>
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PVD: Peripheral vascular disease; CABG, coronary artery critical limb ischemia.
Suggestions for the future

- **Monthly JVS JClub**
  - organized on a rotating basis amongst interested programs
- **Live participation** by author, residents, faculty, invited guests and experts
- **Recorded session**, papers, slides posted on blog
  - participation of those who could not make live session
Suggestions for the future

• **Promotion** of the event, sponsoring program, and participating author on SM platforms

• **Awards** for resident participation
  – “Best Read Vascular Trainee Award”

• **Use of this platform to supplement** your current journal club activities
  – “journal clubs in person may be more efficient” in achieving their goals
Summation: JVS On-line JClub

• Provides wider exposure of your trainees to original authors, international experts
• Supplements your program’s educational efforts
• Pilot program offers “proof of concept” as to platforms for presentation, blog
Discussion and THANK YOU!

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