



AGENDA

CVS Challenge Task Force

Date: **September 16, 2025** Time: 4:00 PM PT/7:00 PM ET

Zoom link:

<https://us06web.zoom.us/j/85162771431?pwd=hguFhf9al8MtaR8OoG7aaCJLEVvUGY.1>

Chair: Ozanan Meireles, MD

Co-Chairs: Daniel Hashimoto, MD

Committee Staff: Jillian Kelly

I. Call to Order and Introductions

Review of Committee Disclosures

Committee Members should have reviewed all of the disclosures for those on this committee (included in the agenda packet). A Committee Co-Chair will ensure all contributions are balanced during this committee meeting. If you have any new or changed disclosures, please login to your member account on sages.org. Once there, all committee members will have a link to disclose.

II. Approve Prior Meeting Minutes – Spring 2025

III. Create Critical Vision in Surgery (CVS) Task Force Goals

- Mission: To establish and sustain data challenges as a core mechanism for advancing computer vision and AI in surgery — fostering innovation, standardization, and trustworthy clinical translation across procedures and contexts.

Example Goals:

- Build diverse, representative, and ethically annotated datasets across a wide spectrum of surgical procedures
- Standardize challenge design principles (datasets, tasks, evaluation metrics) to ensure fairness, reproducibility, and clinical relevance.
- Promote responsible sharing mechanisms (data governance, federated models, privacy-preserving approaches)
- Connect challenge outcomes with pathways to clinical trials, educational integration, and regulatory approval
- Involve surgeons, data scientists, and industry partners to accelerate safe adoption

IV. Progress Update

- a. CVS Challenge v1.0 currently preparing for dataset release in October 2025
 - i. Technical paper has been written and preparing for submission to *Medical Image Analysis* (MICCAI journal)
 - ii. Clinical overview paper being written and preparing for submission to *Surgical Endoscopy*
 - iii. Other derivative work pending



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V. Lighthouse Challenge

- a. MICCAI 2025 in Korea 9/23/25
- b. 3 subchallenges: CVS Classification (overall, uncertainty-aware, robustness), Computational Efficiency (CPU-only), Hepatocystic Anatomy Segmentation

VI. Future Direction

VII. New business/project suggestions

Attachments:

Disclosures