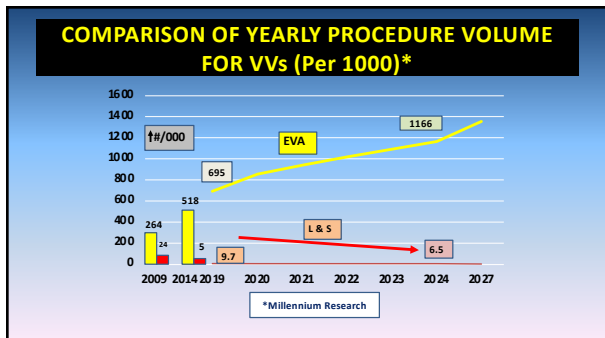
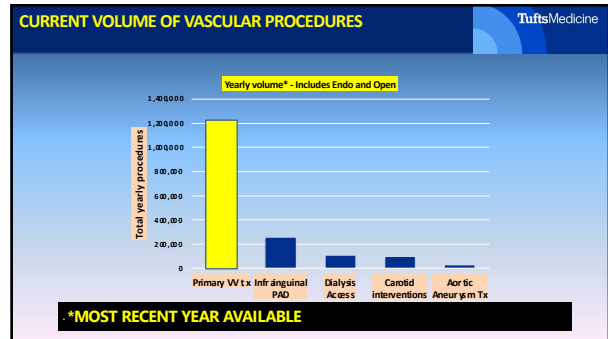


A Comparison Of The Revised SVS/AVF/ASVL to the ESVS Clinical Practice Guidelines In The Management Of Varicose Veins: Methods, Content, and Agree II Analysis

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RECENT REVISIONS OF EXISTING VARICOSE VEIN GUIDELINES

CLINICAL PRACTICE GUIDELINE DOCUMENT

Editor's Choice European Society for Vascular Surgery (ESVS) 2022 Clinical Practice Guidelines on the Management of Chronic Venous Disease of the Lower Limbs^{1,2}

SOCIETY FOR VASCULAR SURGERY GUIDELINES

The 2022 Society for Vascular Surgery, American Venous Forum, and American Vein and Lymphatic Society clinical practice guidelines for the management of varicose veins of the lower extremities. Part 1. Duplex Scanning and Treatment of Superficial Truncal Reflux

PURPOSES

Compare methodology and content of two recently released CPGs for C2 varicose veins

Perform an AGREE II analysis comparing these two CPGs for Quality

METHODS

- Three independent reviewers blinded of each other's evaluations performed a comparative analysis of the two CPGs FOR:
 - Differences in methods and content
 - **The number of new guideline recommendations, upgrades, and downgrades as well as changes in quality of evidence and strength of recommendation

COMPARISON OF METHODS & CONTENT

Factor Compared	Guideline	
	ESVS	SVS/AVF/AVLS
Original CPG	2015	2011
Format	Component of CVI CPG	1 of 2 parts specific to VV
Sponsor	ESVS	SVS/AVF/AVLS
Development	List of topics	5 PICO questions
Systematic Review and Meta-Analysis	Internal (1/1/2013-6/30/2020)	External - MAYO EBPC (Through 12/7/2020)
Evidence and Recommendation Criteria	European Society of Cardiology	GRADE
Levels of Evidence	3 (A,B,C)	3 (A,B,C)
Classes of Recommendations	4 (I,IIA/IIb,III)	2 (Strong vs Weak)
Patient Input	Focus group	Historical Survey Data

GUIDELINE STATEMENTS NEW, UPGRADES, AND DOWNGRADES

	SVS/AVF/AVLS	ESVS
NEW	18	21
UPGRADED	6	2
DOWNGRADED	3	3

COMPARISON OF LEVEL/QUALITY OF EVIDENCE SVS/AVF/AVLS vs ESVS VV GUIDELINE

FACTOR COMPARED	SVS/AVF	ESVS
DIAGNOSIS OF CVI → DUPLEX	B	B
INTERVENTION > ELASTIC STOCKINGS GSV/SSV C2S	B	B
TREATMENT FOR GSV → EVA > L&S	B	A
TREATMENT FOR SSV → EVA > L&S	C	A
TREATMENT TYPE – OF GSV THERMAL & NTNT	B	A
TREATMENT TYPE- OF SSV THERMAL & NTNT	C	B
CONCOMITANT EVA GSV/SSV & TRIBS	C	B
TREATMENT OF PERFS C2 (S) → NO	C	C

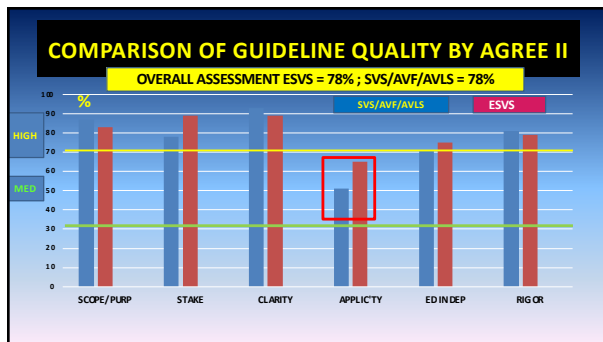
**SVS/AVF/AVLS
LOE LOWER THAN
ESVS**

- ### Differences in Level of Evidence related to SVS Hierarchy of Outcomes
- 1. QOL @ 5 years
 - 2. Recurrence and need for reintervention at 5 years
 - 3. Major/minor periop adverse events
 - 4. Post-op pain and return to activity
 - 5. Anatomic closure at 5 years
 - 6. Cost

COMPARISON OF THE STRENGTH OF RECOMMENDATION SVS/AVF/AVLS vs ESVS VV GL

FACTOR COMPARED	SVS/AVFS	ESVS
DIAGNOSIS OF CVI → DUPLEX	1	1
INTERVENTION > ELASTIC STOCKINGS GSV/SSV C2S	1	1
TREATMENT FOR GSV → EVA > L&S	1	1
TREATMENT FOR SSV → EVA > L&S	1	1
TREATMENT TYPE – OF GSV THERMAL & NTNT	1	1
TREATMENT TYPE- OF SSV THERMAL & NTNT	1	2B
CONCOMITANT EVA GSV/SSV & TRIBS	2	2A
TREATMENT OF PERFS C2 (S) → NO	1	3

- ### AGREE II INSTRUMENT
- Assess the methodological quality of guidelines**
- (1) scope and purpose
 - (2) stakeholder involvement
 - (3) rigour of development
 - (4) clarity of presentation
 - (5) applicability
 - (6) editorial independence



CONCLUSIONS

- The methods for the two CPGs differed in several structural & Methodological elements
- Although there were substantial differences in LOE, overall SOR was mostly similar
- Despite differences in methodology, both CPGs are high quality guidelines according to AGREE II analysis

