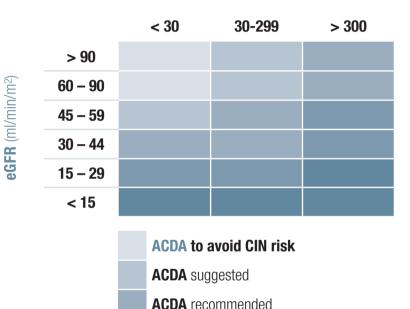


WHEN to use ACDA?

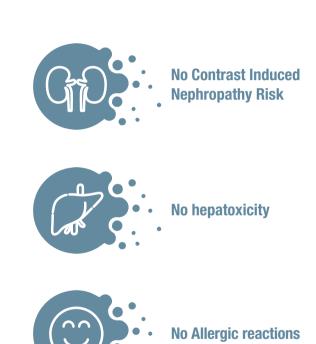
2

Albuminuria (mg/g)



ACDA strongly recommended

ACDA UNIQUE Option





Carbon Dioxide is the **Only Safe Contrast Agent** for patients with:



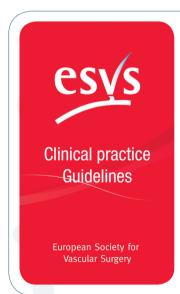


eGFR< 60 ml/min/1.73 m²

Allergy

Diabetes

Hypertension



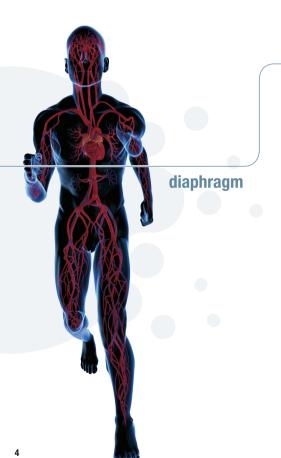
lodinated contrast agents can cause further deterioration of residual renal function

 CO_2 angiography is an effective alternative, without the risk of further impairment of renal function. CO_2 angiography has a sensitivity of 97% and a specificity of 85%.

Due to the acceptable results of CO_2 angiography and the potential risk of NSF, gadolinium enhanced DSA is no longer indicated.

ESVS Vascular Access: 2018 Clinical Practice Guidelines.

Carbon Dioxide Angiography: WHERE?



ARTERIES

CO₂ can be used in all districts below the diaphragm



HEPATIC ARTERY



EVAR



EMBOLIZATION TACE



AORTOGRAPHY ILIAC



SMA



SFA - POP



RENAL ARTERIES



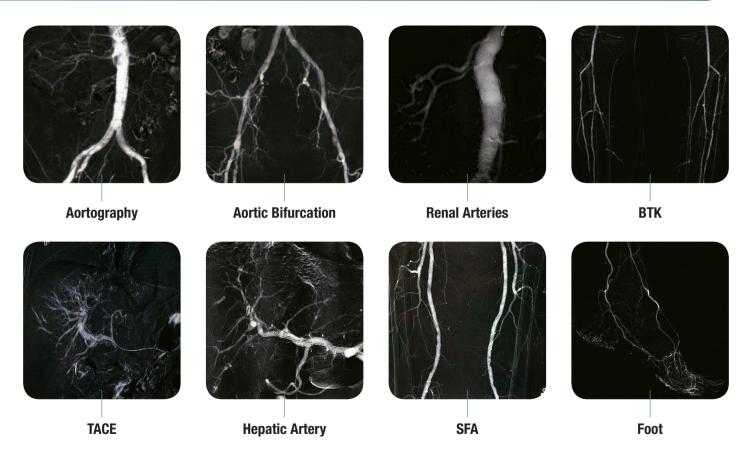


GI BLEEDING AND TRAUMA



, F00T





Carbon Dioxide Angiography: WHERE?



VEINS

Also the peripheral venous system is investigable with CO₂



BASILIC VEIN



ILIAC VEIN



GREAT SAPHENOUS VEIN

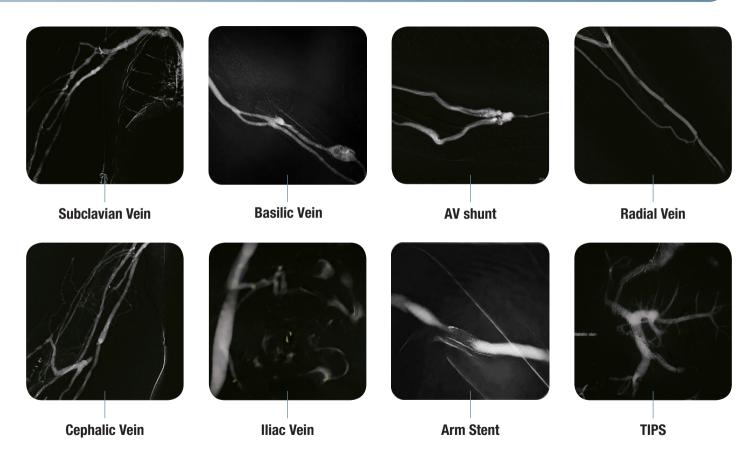


SMALL SAPHENOUS VEIN



POPLITEAL VEIN









HIGH ACCURACY

For CO₂ dose and injection pressure

HIGH PERFORMANCE

an integrated 2L CO₂ cylinder



MAXIMUM SPEED

Injector ready in 6 seconds





Inject with remote controller, up to 15 meters away



COMPLETELY SAFE

Internal positive pressure prevents air contamination



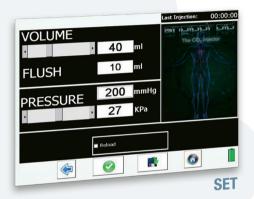
ALWAYS READY

Standardize your work with unique protocols





1st Automated Injection System for CO2 Angiography

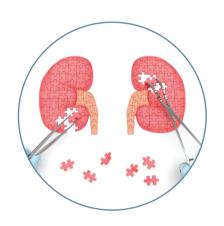








Zero Contrast **Procedure**



SAVE COST

Avoid iodine and related complications (e.g. CIN risk and adverse reactions).



EXCELLENT IMAGING

ACDA ensures optimum CO₂ image quality and complete injection management.



IMPROVED SAFETY



Inject remotely to reduce X-ray dose even from the control room.



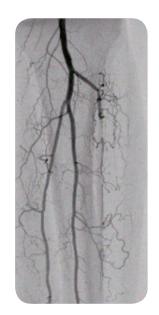
Makes the **Difference**

ACDA as

Standard Imaging Option







SAVE ICM

Perform the **complementary** approach with dedicated device



SAVE KIDNEYS

Images courtesy of Dr. P. Sbarzaglia.







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