

## Excerpt from my diagnostic spectrum –

- *all during one visit*
- *written report with all images, measurements, diagrams, and recommendations before midnight of the examination day*
- *mediation of further specialized surgical therapies*

## Basic program

1. The functional and quantitative color Doppler measurement of renal and other organ and tissue perfusion with the PixelFlux-technique\*,
2. Flow volume measurements of pelvic venous return,
3. Standardized tissue perfusion quantification of uterus, vagina and urethra, testicles and prostate,
4. Bilateral comparison of gluteal venous drainage in sciatica,
5. Celiac trunk respiratory flow velocity changes,
6. Direct observation of duodenal food passage – functional diagnostics of the Wilkie-syndrome (aka SMA-syndrome) and differential diagnostic to other intestinal transport disorders and gastroparesis
7. Quantification of orthostatic renal and
8. Aortic flow volume drop,
9. 4-dimensional color Doppler flow volume measurements of the carotids (changing volume flow per time interval)
10. Femoral venous flow volume measurements
11. Repetition of all measurements in various relevant body postures

## In individual cases with respect to clinical symptoms or upon request

12. Volume flow measurements in the superior mesenteric artery and vein evaluating retroperitoneal-mesenteric collaterals
13. Volume flow measurements of reno-spinal collaterals
14. Volume flow measurements of thoracic and supradiaphragmatic collaterals
15. Measurements of liver congestion
16. Pressure measurements of the splenic recirculation
17. Search for chronic and acute inflammatory bowel diseases
18. PixelFlux quantification of inflammatory abdominal pathologies including Crohn disease and other IBD
19. Vascular diagnostics of tinnitus
20. Transcranial cerebral ultrasound

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21. Dynamic and postural intracranial pressure change measurements by means of color Doppler ultrasound
22. Echocardiography
22. Urinary and gallbladder function test
23. PixelFlux evaluation of external genital congestion in vulvodynia and persistent sexual arousal syndrome and pudendal neuropathy
24. Evaluation of exceptionally rare and individual compressions as popliteal arterial and venous, femoral arterial and venous, splenic venous, gastric, lumbar arterial, hepatic venous, internal iliac...
25. Quantification of azygos and hemiazygos flow volumes in suspected epidural congestion
26. Quantification of vascular tumor and malformation flow intensities and volumes with the PixelFlux-technique
27. Vascular differential diagnostic of erectile dysfunction
28. Evaluation of vascular aneurysms and dilatation
29. Quantification of renal artery stenosis and differential diagnostic of arterial hypertension
30. Differential diagnostic of POTS and gastroparesis
31. Quantification and follow up of diabetic micro- and macroangiopathy
32. Retinal artery Doppler
33. Flow volume quantification of dialysis shunts
34. Evaluation of TOS (thoracic outlet and inlet syndromes)
35. Evaluation of thyroid and lymph node diseases
36. Local inflammation measurements with the PixelFlux-technique
37. Fetal volume flow measurements
38. Quantification of tumor perfusion
39. **All kinds of pediatric sonography including echocardiography and cerebral Doppler ultrasound**
40. Evaluation of joint disorders including differential diagnostic of degenerative and inflammatory arthropathies
41. Evaluation of ventriculoperitoneal shunts
43. Internal pudendal vein flow volume measurements (helpful in pudendal neuralgia)
44. beyond ultrasound: Bornavirus diagnostic and treatment
45. All kinds of laboratory diagnostics including initiation of molecular genetic testing
46. Ask for more (.... pleura and lung ultrasound, esophagus, muscles, tendons, skin, breast, cartilage, spinal cord, diaphragmatic motility, urachus, fractures, intra- and extracranial arteries. nerves...)

\*Invented and inaugurated by me and my son (Prof. Jakob Scholbach), awarded with the European Ultrasound Price