



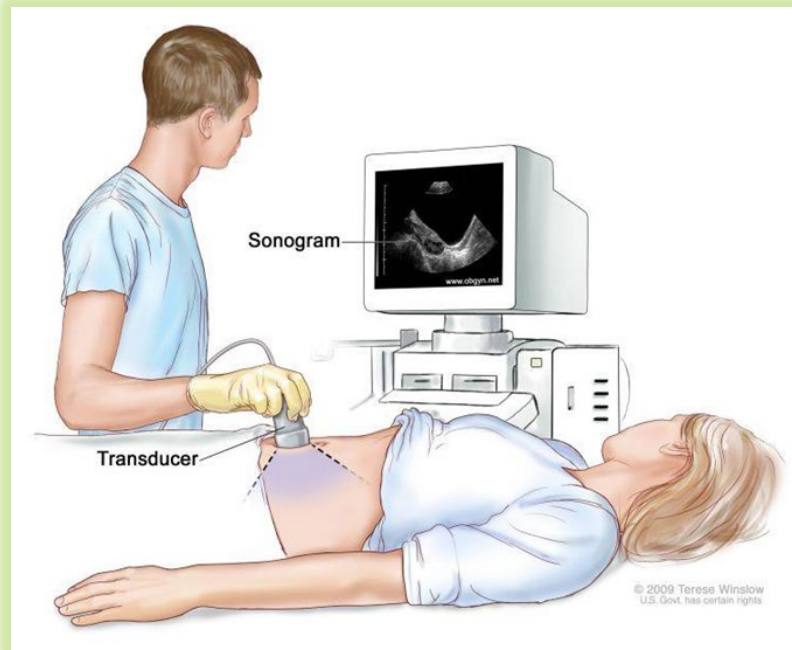
College of DuPage

Diagnostic Medical Imaging Sonography (DMIS) Programs Advising Session



What is Ultrasound/Sonography?

- Clinical discipline.
- Use of equipment that produces sound waves which are converted into images of human anatomy.
- Medical interpretation and diagnosis by a Radiologist.
- Sonography programs at COD prepare students for entry-level positions in Sonography.



What Do Sonographers Scan?

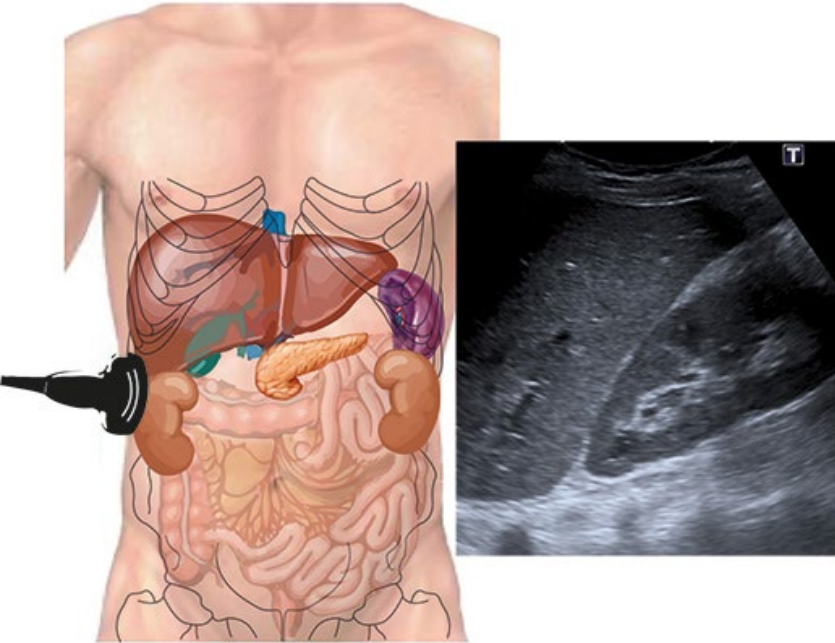
- Liver
- Gallbladder
- Pancreas
- Spleen
- Kidneys
- Uterus/Ovaries
- Testicles
- Thyroid
- Obstetrics
- Breast
- Arteries/Veins
- Pediatric Hips/Spine
- Neonate Heads
- Assist with Biopsies/Aspirations

Sonography Lab at COD



KIDNEYS/LIVER

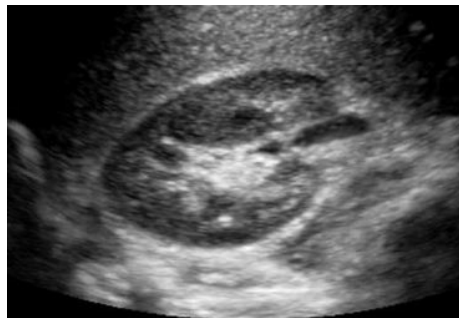
Scanning Approach/View



Color Doppler of Hepatic Veins

Images of a Kidney

Longitudinal & Transverse Scan Plane

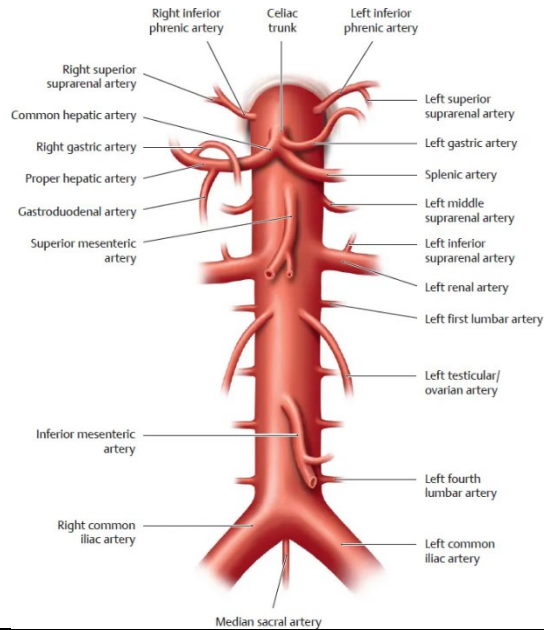


Liver Masses (Dark Areas)

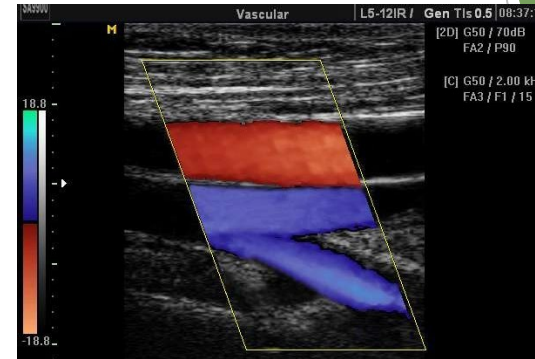


Vascular Sonography

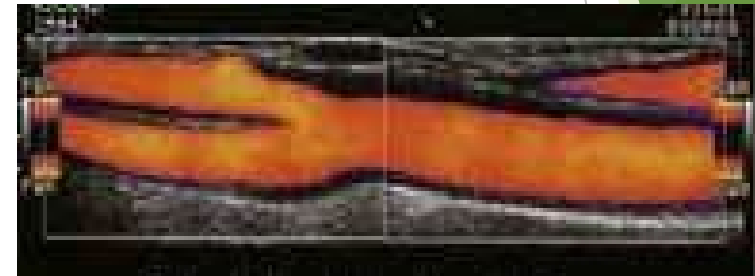
Abdominal Aorta



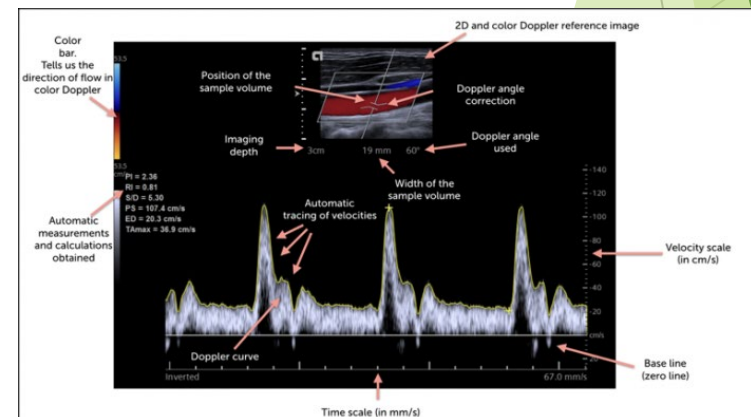
Femoral Vein & Artery



Carotid Artery

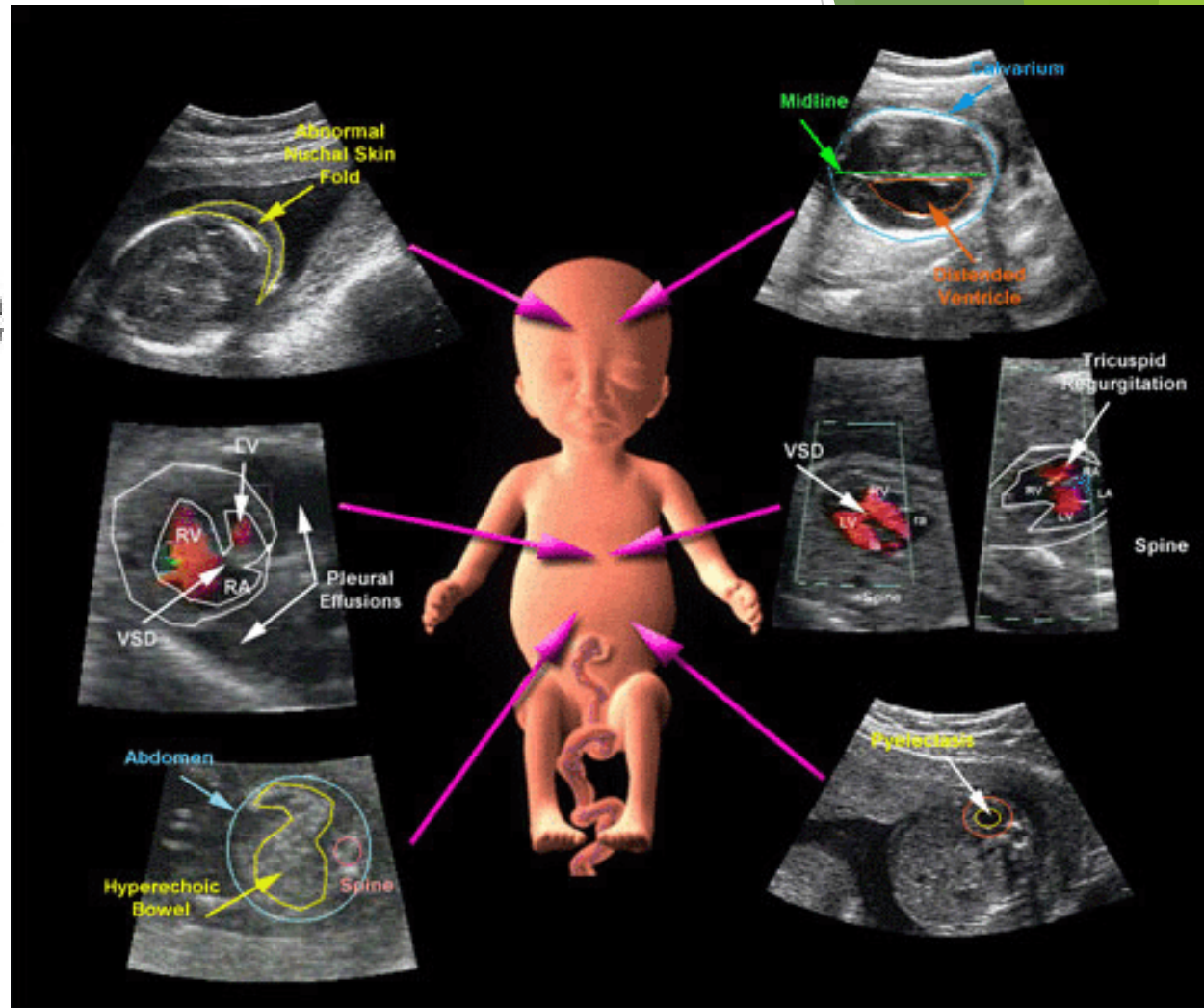


Pulsed Wave Doppler



OBSTETRICS

Transabdominal Fetal Ultrasound



Programs & Application Requirements

CERTIFICATES

General (Advanced Certificate) 18 months

- *Training in Abdomen & Obstetrics/Gynecology Sonography
- *Must already be a currently licensed healthcare professional with a completed associates degree in either Radiology, Nursing, Physical Therapy, etc.
- *PLUS – Possible Prerequisite Coursework

Vascular (Vascular Technology Certificate) 6 months

- *Training in Vascular Sonography
- *Must already be a currently registered Sonographer in either Obstetrics/Gynecology (RDMS), Abdomen/Superficial Structures (RDMS), or Echocardiography (RDMS)
- *PLUS – Possible Prerequisite Coursework

DMIS AAS DEGREE (Vast Majority of Applicants)

2 years not including prerequisites

- *Training in Abdomen & Obstetrics/Gynecology & Vascular Sonography
- *Must be a HS/GED graduate, and complete specific general education prerequisites PLUS, courses specific to sonography that can only be taken at COD

*See admission packets for more information:

Link: [Sonography Program | College of DuPage \(cod.edu\)](#)

AAS Degree Prerequisites

Completion required by end of Spring semester preceding Fall program start.

COURSE #	COURSE TITLE	GRADE REQUIRED
ENGLISH 1101	English Composition I	“C” or higher
SPEECH 1100 or 1120 (or equivalent)	Fund. Speech Communication Small-Group Communication	“C” or higher
ANAT 1552 or 1572*	Human Anatomy & Physiology II or Human A & P with Cadaver II	‘B’ or higher
<i>*Prerequisite: A&P 1551 or 1571 with a grade of ‘B’ or higher</i>		
HUMANITIES	Any Humanities Course	‘C’ or higher
PSYCH 1100 (or equivalent)	General Psychology	‘C’ or higher
HLTHS 1110*	Biomedical Terminology	‘B’ or higher
*MATH 1120	Mathematical Foundations for DMIS	‘B’ or higher
OR Algebra/Statistics/or higher AND Gen. Physics or Radiographic Physics		‘B’ or higher
*DMIS 1110	Basic Patient Care Skills for Sonographers	‘B’ or higher
*DMIS 1105	Intro to Pathophysiology for Sonographers	‘B’ or higher
<u>*These are only offered at COD. They are not offered Summer semester.</u>		

NOTE: The DMIS Program is undergoing revisions.

Please monitor the program admission packet for updates and/or modifications.

Program Schedules

CERTIFICATES

Advanced General Sonography Certificate Program

*It is an 18-month certificate program.

*The program is full-time on campus and at hospitals.

1st semester = (2) 12-hour days & evenings on campus

2nd-4th semesters = (2) 8-12-hour days & evenings on campus AND
(3) 8.5 hour shifts per week at a hospital/clinic

Vascular Sonography Certificate Program

*It is a 6-month certificate program.

*The program is mostly full-time on campus and at hospitals.

1st semester = (2) 8-12-hour days & evenings on campus AND (3) 8.5
hour shifts per week at a hospital/clinic

2nd semester = (3) 8.5 hour shifts a week at a hospital/clinic

DEGREE

Sonography Degree Program

*It is a 2-year degree program (not including prerequisites).

*The program is full-time on campus and at hospitals.

1st semester = (2) 12-hour days & evenings on campus

2nd -5th semesters = (2) 8-12-hour days & evenings on campus AND
(3) 8.5 hour shifts per week at a hospital/clinic

6th semester = (3) 8.5 hour shifts a week at a hospital/clinic

Clinical shifts will be days, nights and/or weekends, the hospital/clinic sets the schedule

Earning Your Sonographer Credentials

(*Because the certificate(s) or degree alone is not enough!)

American Registry of Diagnostic Medical Sonographers (ARDMS)

CREDENTIAL EARNED	EXAMINATION NEEDED	CORRESPONDING SPECIALTY EXAMINATION
RDMS® Registered Diagnostic Medical Sonographer	SPI Sonography Principles & Instrumentation Examination	Abdomen (AB) Examination Breast (BR) Examination + Fetal Echocardiography (FE) Examination Obstetrics & Gynecology (OB/GYN) Examination Pediatric Sonography (PS) Examination
RDCS® Registered Diagnostic Cardiac Sonographer	SPI Sonography Principles & Instrumentation Examination	Adult Echocardiography (AE) Examination + Fetal Echocardiography (FE) Examination Pediatric Echocardiography (PE) Examination
RVT® Registered Vascular Technologist	SPI Sonography Principles & Instrumentation Examination	+ Vascular Technology (VT) Examination
RMSKS™ Registered Musculoskeletal Sonographer	SPI Sonography Principles & Instrumentation Examination	+ Musculoskeletal Sonographer (MSKS) Examination

COD DMIS =

- * Abdomen – RDMS (AB)
- * Obstetrics/Gynecology - RDMS (OB/GYN)
- * Vascular Technology - RVT
- * SPI Principles & Instrumentation
- * *Breast = Trained but not eligible for exam*

So...

▶ **COD Advanced Certificate makes you eligible for:**

SPI, Abdomen & Obstetrics/Gynecology Exams

= Jimmy Page, RDMS

▶ **COD Vascular Certificate makes you eligible for:**

SPI & Vascular Technology Exams

= Taylor Swift, RVT

*These days employers want you to know it all!

(so, you would 100% want to take both certificates to become RDMS, RVT !!)

▶ **COD AAS Degree makes you eligible for:**

SPI, Abdomen, Obstetrics/Gynecology, & Vascular Technology Exams

= Patrick Kane, RDMS & RVT

*Breast (*Trained but not eligible for the exam.*)

Where, How, When would I work Depends on.....

Type of Facility:

Hospital, Free-Standing ER, Quick Care Clinic,
Imaging Center, Obstetrics Office, Medical Clinic.

Type of Position:

Full Time, Part Time, Registry

Facility Hours:

Days, Nights, Overnight, Call, Weekends, Holidays

Pay:

Depends on type of position – FT/PT/Registry, & Location.
Starting pay is typically \$30-40. an hour in the Chicagoland
area. U.S. Department of Labor, Occupational Outlook
Handbook reports median as \$29.33 per hour (\$61k a year)

<https://www.bls.gov/ooh/healthcare/diagnostic-medical-sonographers.htm>



Program Costs

Item	Approximate Cost
COD Application	\$20
Prerequisite Courses – 30 credits	\$5000
Health Career Application	\$50
HESI A2 Exam	\$60
DMIS Courses – 53 credits	\$14,000
Course/Lab Fees & Medical Malpractice Insurance	\$2000
Textbooks	\$1200
Health Requirements	\$250
Approximate Total =	\$22, 580
*Does not include uniforms, transportation, and incidentals.	

How do I become part of this amazing field?



Qualify to apply to the program (by completing prerequisite classes and other application requirements)

*Have a Plan B (We have more applicants than seats available)

Apply to the program

(Acceptance into the programs is Merit Score based)

Complete certificate or degree requirements & sit for exams (for RDMS and/or RVT)

Start your career!

On average 75% of our students are hired prior to graduation!

 **College of DuPage**



WHAT DO I DO NEXT??

*Follow the [Application Materials Checklist](#) in the **Admissions Packet** for the program that you qualify for: www.cod.edu/sonography

If you want to know how your courses could transfer to College of DuPage without applying? [Transferology](#) can show you if your courses will transfer in.

*New to COD?

- Apply to COD [Admissions | College of DuPage \(cod.edu\)](#)

- Get high school & any prior college transcripts sent to Records.

<https://www.cod.edu/records/index.aspx>

- Meet with a Health Science Advisor.

https://www.cod.edu/student_life/resources/counseling/academic-advising/index.aspx

*Already a COD student?

Meet with a Health Science Advisor.

https://www.cod.edu/student_life/resources/counseling/academic-advising/index.aspx

If COD is not going to work for you go to the CAAHEP website to find an ACCREDITED program! www.caahep.org



Questions? Please email:
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mckirdiem@cod.edu

**THANK
YOU
FOR
YOUR TIME
AND ATTENTION**