

DELPHI – peripheral arterial disease investigation

ANALYSIS

Age of participants varies from 38 to 69 years old. They all work in a unit in a public hospital
Concerning diagnostic exercise test in PAD patients, they performed 1 to 10 test per month.

For 71% (or concerning 5 answers out of 7), 10 to 20% of patient will undergo an exercise testing if there was a suspected arterial claudication and less than 10% of patients presenting non specific claudication would undergo an exercise testing.

50% had access a motor driven treadmill. 80% used post-exercise ankle brachial index and 18% exercise TCPO2.

About the investigations, post exercise ABI was considered as useful for the diagnosis concerning claudication with a normal ABI and claudication presenting specific signs of vascular involvement. Whereas they use others investigations (exercise TCPO2, thallium scintigraphy, NIRS) in different indications such as proximal claudication, suspicion of endofibrosis.

The most used treadmill protocols were: Gardner-type incremental or an increasing slope until 10-12%.

70% thought that the 6min Walk test should be done with a normal pace. The duration should be until incoming pain (according to 28%) and until maximal pain (according to 28%).

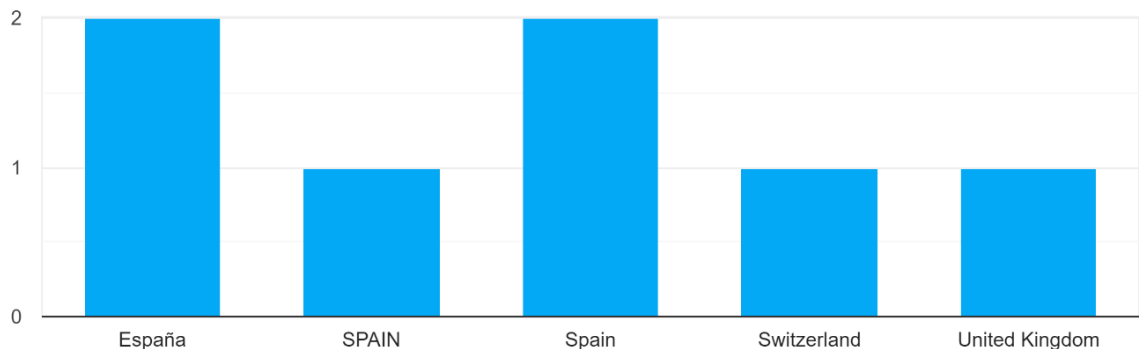
67% thought ECG is not required during an exercise diagnostic test.

According to 43%, the post exercise ABI should be measured manually starting with the symptomatic leg and using a diagnosis threshold with a decreased value greater than 20%. 71% thought chest probe used as a reference is required.

Nearly 60% thought that performing an exercise TCPO2 is time-effective in atypical claudication. 70% had no reimbursement concerning vascular walking test on treadmill

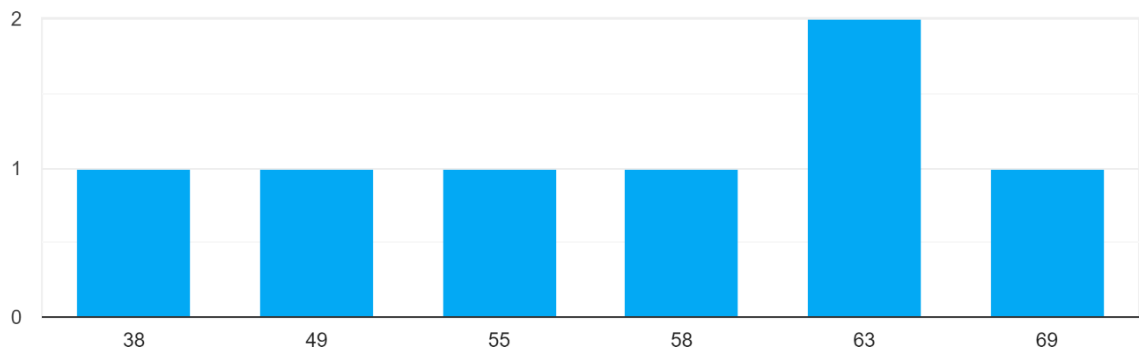
What is your country of origin?

7 réponses



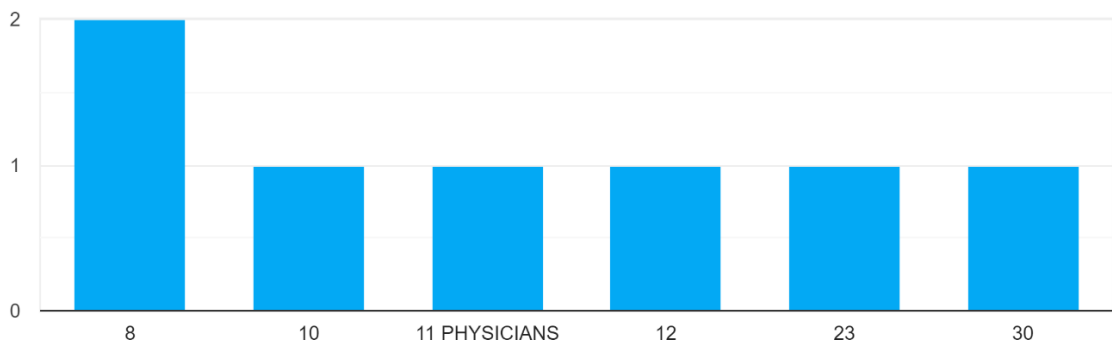
What is your age?

7 réponses



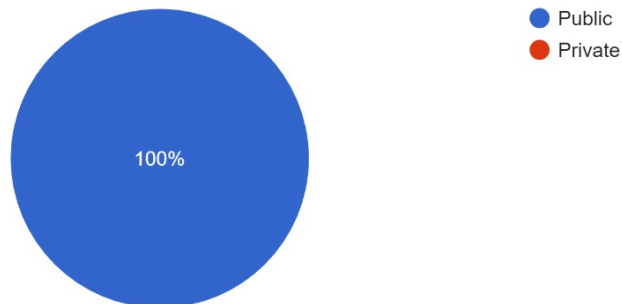
Are you working alone? If not, how many physicians are working in your unit?

7 réponses



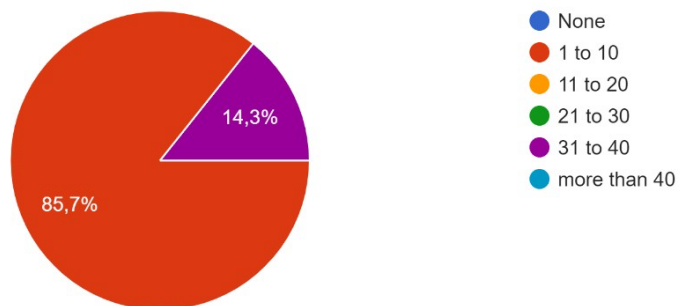
Are you work in a public or a private unit?

7 réponses



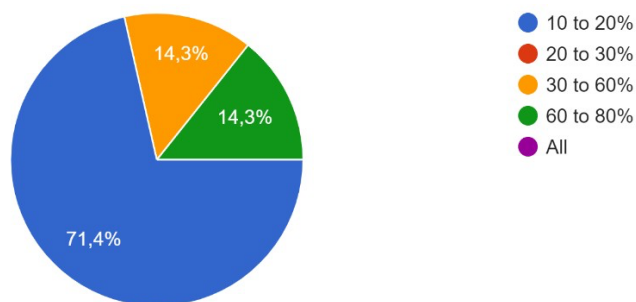
1 - How many diagnostic exercise tests in PAD patients do you (or your team) perform per month? (One answer allowed)

7 réponses



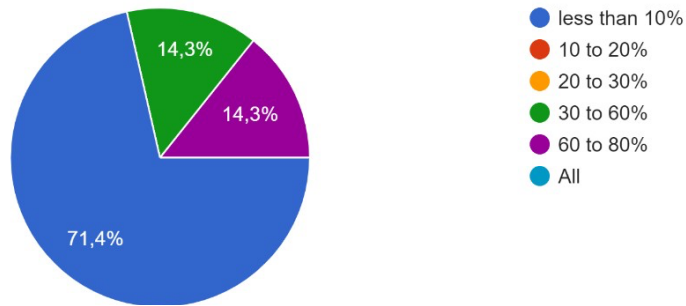
2 - What proportion of patients with claudication of suspected arterial origin should undergo exercise testing excluding those in which it is contraindicated? (One answer allowed)

7 réponses



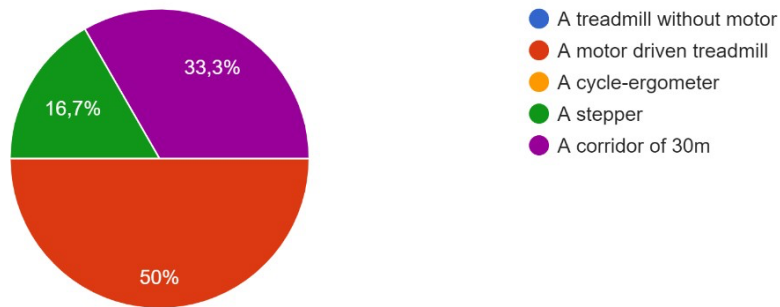
3 - What proportion of your patients with claudication undergo exercise testing? (One answer allowed)

7 réponses



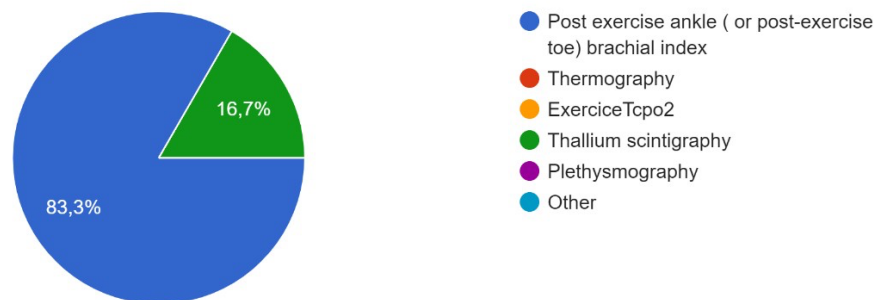
4 - Do you have in your unit, or have direct free access to : (Multiple answers allowed)

6 réponses



5- Which of the following techniques are you familiar with for diagnostic exercise testing (Multiple answers allowed)

6 réponses



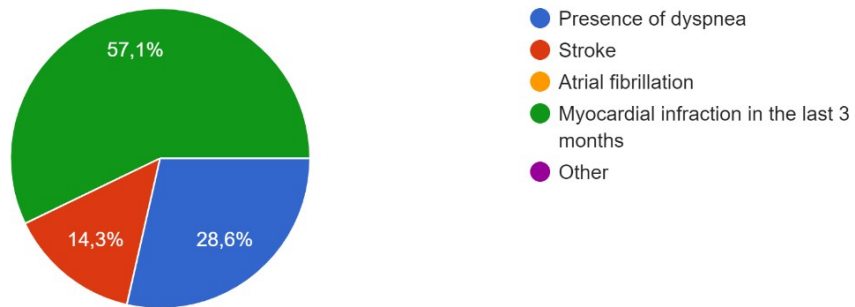
6- Which of the following technique are you using for diagnostic exercise testing for PAD?
(Multiple answers allowed)

6 réponses



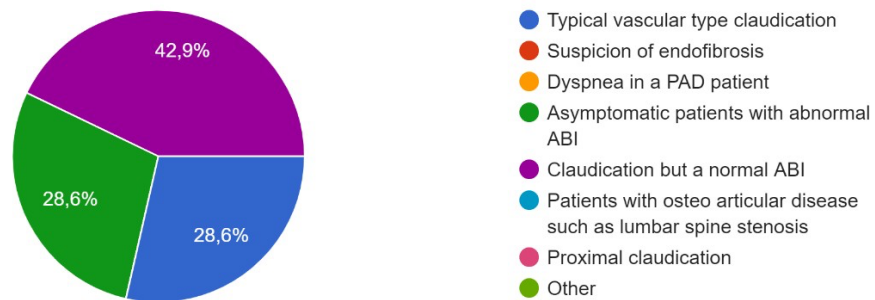
7 - What Contra-indications for exercise diagnostic test do you have, in a patient with PAD:
(Multiple answers allowed)

7 réponses



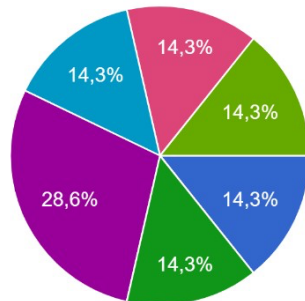
8 - Post exercise ABI is useful in the diagnosis of ... (Multiple answers allowed)

7 réponses



9 - Exercise transcutaneous oxygen pressure (tcpO2) is useful in the diagnosis of (Multiple answers allowed)

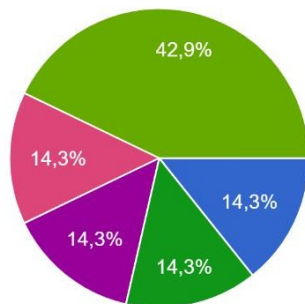
7 réponses



- Typical vascular type claudication
- Suspicion of endofibrosis
- Dyspnea in a PAD patient
- Asymptomatic patients with abnormal ABI
- Claudication but a normal ABI
- Patients with osteo articular disease such as lumbar spine stenosis
- Proximal claudication
- Other

10 - Thallium scintigraphy during exercise is useful in the diagnosis of ... (Multiple answers allowed)

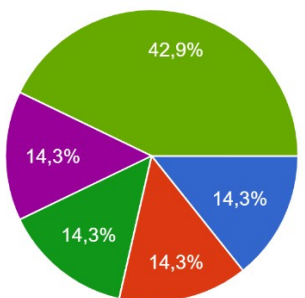
7 réponses



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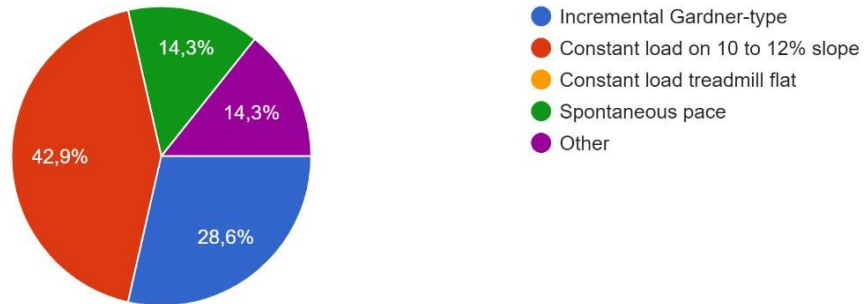
11 - Near infrared spectroscopy during exercise is useful in the diagnosis of (Multiple answers allowed)

7 réponses

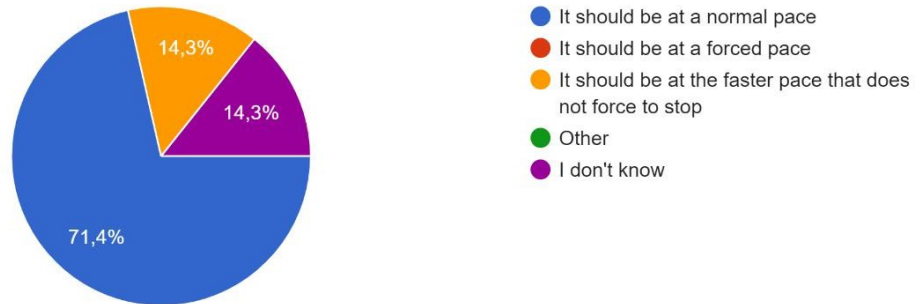


- Typical vascular type claudication
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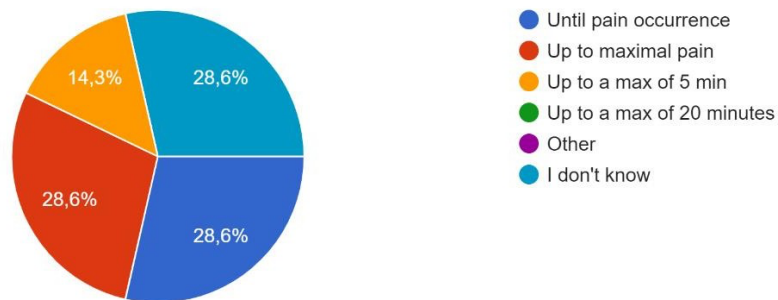
12 - What protocol is the most appropriate protocol for treadmill testing: (One answer allowed)
7 répons



13 - If doing a 6-min walk test (One answer allowed)
7 répons

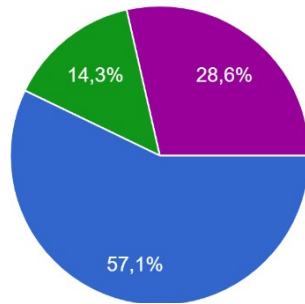


14 -How long should a constant load treadmill test last? (One answer allowed)
7 répons



15 - Is electrocardiography (ECG) required during a diagnostic exercise test for all patients? (One answer allowed)

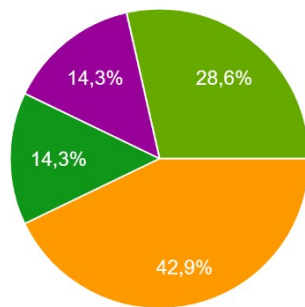
7 réponses



- No
- Discontinuous or post exercise
- Heart rate measured by watch
- Continuous 1 to 3 leads
- Continuous 12 leads
- Other
- I don't know

16 - After a walking test, ABI or ankle pressure should be measured: (One answer allowed)

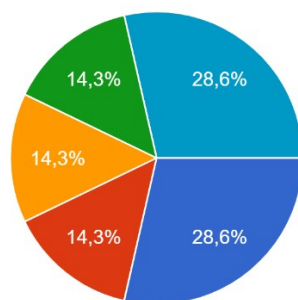
7 réponses



- Simultaneously with automatic devices
- Consecutively with automatic devices
- Manually starting with the symptomatic leg
- Manually starting with the highest arm
- Manually starting with legs then arm
- Only on the symptomatic leg and the arm that was the highest before exercise
- Other
- I don't know

17- After a walking test, what is the ABI / ankle pressure limit to be used for diagnosing PAD? (Multiple answers allowed)

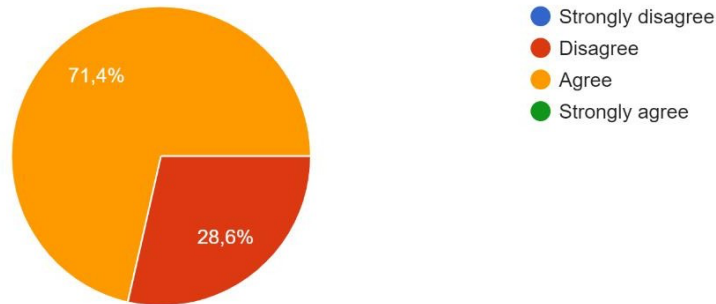
7 réponses



- A post-exercise ABI decrease of greater than 20%
- A postexercise ankle pressure decrease of greater than 30 mm Hg
- A post exercise ABI lower that 0.80
- A post exercise ABI lower that 0.90
- Other
- I don't know

18 - A chest reference probe is required in exercise tcpo2 recordings? (One answer allowed)

7 réponses

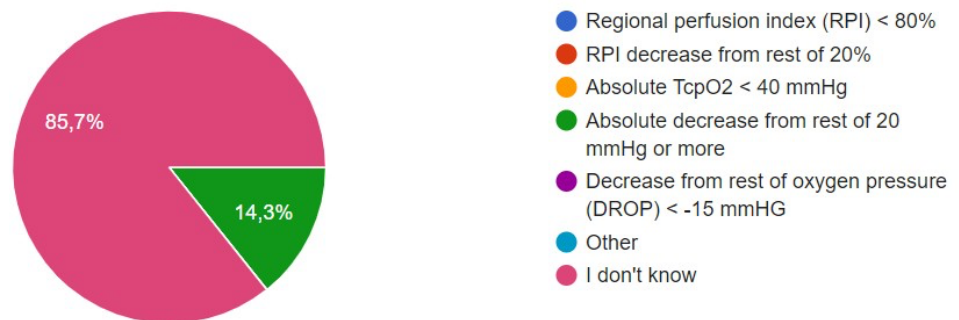


19 - Tcpo2 limit to be used for the diagnosis of significant ischemia during exercise?

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(Multiple answers allowed)

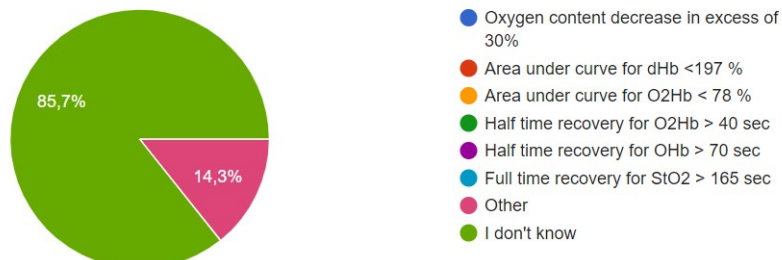
7 réponses



20 - Near Infra-red spectroscopy (NIRS) limit to be used for the diagnosis of significant ischemia? (Multiple answers allowed)

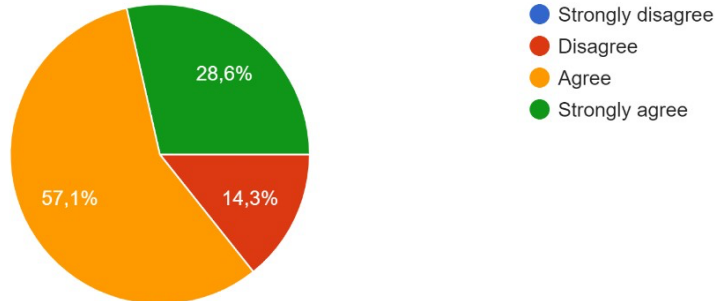
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7 réponses



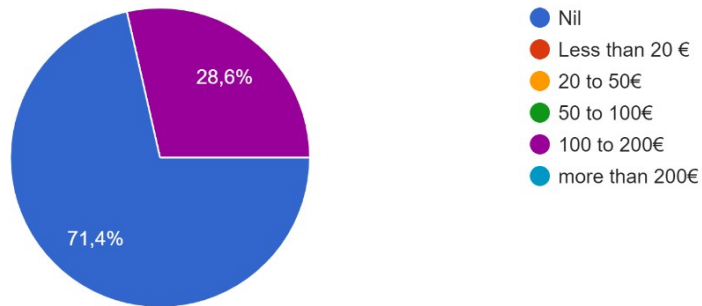
21 - Performing exercise testing helps save time and money in claudication of questionable vascular origin or atypical claudication: (One answer allowed)

7 réponses



22 - What is the current range of reimbursement for a vascular walking test on treadmill ? (One answer allowed)

7 réponses



23 - What would be the optimal range of reimbursement for a vascular walking test on treadmill ? (One answer allowed)

7 réponses

