THE ART AND SCIENCE OF CARDIAC PHYSICAL EXAMINATION WITH HEART SOUNDS JUGULAR

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What is the physical examination of the cardiovascular system percussion? Tapping with the fingertips (also known as percussion) can be used to estimate the size of the heart, though palpation is more accurate. From the left side of the chest, the doctor can tap the spaces between the ribs with the tips of their middle finger to listen for the dullness that will be present over the heart.

What are the heart sounds in a cardiac exam? "Lub" being the first heart sound (S1), marks the beginning of systole and is generated by the turbulence caused by the closing of the mitral and tricuspid valves. "Dub" is the second heart sound (S2), marks the end of systole and the beginning of diastole and is generated by the closure of aortic and pulmonic valves.

What are the percussion sounds in a physical exam? There are three main medical percussion sounds: resonance (heard over lungs), tympany (heard over the air-filled bowel loops), and dullness (heard over fluid or solid organs).

What is the physical examination of the cardiac patient? Palpate the radial pulse with the index and middle finger, and assess for the rate per minute, rhythm regularity, volume, and character. Low volume or faint pulses are a sign of a low flow state such as sepsis. An abnormally strong "bounding" pulse can be found in conditions such as anemia and congestive heart failure.

How to document a cardiac exam? Documentation of a basic, normal heart exam should look something along the lines of the following: The external chest is normal

in appearance without lifts, heaves, or thrills. PMI is not visible and is palpated in the 5th intercostal space at the midclavicular line. Heart rate and rhythm are normal.

How to document heart sounds in medical notes? I + II + 0 = Heart sounds 1 and 2 heard, with no added sounds. II + II + I = Heart sounds 1 and 2 heard, with an additional sound (e.g. murmur) BS = Bowel sounds. RUL/LUL = Right upper limb/Left upper limb.

What does an ECG record heart sounds? An ECG records these impulses to show how fast the heart is beating, the rhythm of the heart beats (steady or irregular), and the timing of the electrical impulses as they move through the different parts of the heart. Changes in an ECG can be a sign of many heart-related conditions.

What is the percussion technique in physical examination? Percussion is a method of tapping body parts with fingers, hands, or small instruments as part of a physical examination. It is done to determine: The size, consistency, and borders of body organs. The presence or absence of fluid in body areas.

What are the percussion sounds of the heart? Generally, the heart makes two sounds – "lub" and "dub". The third and fourth sounds are audible in individuals, however, they could show abnormalities in the functioning of the heart. While the S1 and S2 are high-pitched, S3 and S4 are low-pitched sounds.

What is the percussion test for?

What is percussion in respiratory examination? Percussion. The purpose of percussion (Table 46.3) is to determine if the area under the percussed finger is air filled (sounding resonant like a drum), fluid filled (a dull sound) or solid (a flat sound).

Truck Chassis Specifications: Hino Central - New and Used

When purchasing a new or used truck, it's crucial to understand the specifications of its chassis. Hino Central provides a comprehensive inventory of high-quality trucks, and their experts are readily available to assist you with any questions you may have regarding chassis specifications.

A truck chassis is a framework that supports the body, cab, and load of a truck. It comprises several components, including the frame rails, crossmembers, and suspension system.

2. What are the standard chassis specifications for Hino trucks?

Hino trucks come with a variety of chassis configurations to meet different hauling needs. Standard specifications include frame widths ranging from 34 inches to 40 inches, frame thicknesses up to 11.5 inches, and suspension systems such as parabolic leaf springs and air ride.

3. What are the optional chassis specifications available for Hino trucks?

Hino offers a range of optional chassis specifications to customize your truck to your specific requirements. These options include extended or shortened frames, reinforced suspensions, and additional crossmembers for heavy-duty applications.

4. How do I choose the right chassis specifications for my truck?

Selecting the appropriate chassis specifications depends on the intended use of your truck. Factors to consider include the weight and size of your cargo, the type of terrain you'll be driving on, and any special requirements for your operation.

5. Where can I find more information on truck chassis specifications?

Hino Central's experienced staff can provide you with detailed information on truck chassis specifications. They can help you assess your needs and select the perfect chassis configuration for your new or used Hino truck. Visit their website or contact them directly for personalized guidance and assistance.

The Ultimate History of Video Games: From Pong to Pokémon

An Enduring Craze That Transformed Entertainment and Culture

Video games have become an integral part of our lives, shaping our leisure time, influencing our culture, and even driving technological advancements. But how did this phenomenon begin? This article will delve into the captivating history of video games, tracing its humble origins to its current status as a global entertainment THE ART AND SCIENCE OF CARDIAC PHYSICAL EXAMINATION WITH HEART SOUNDS

force.

From Humble Beginnings: Pong (1972)

The birth of video games can be traced back to Pong, a simple tennis-like game created by Nolan Bushnell and Ted Dabney in 1972. Pong's rudimentary graphics and gameplay captivated arcade patrons, sparking an industry that would evolve at

an astonishing pace.

The Rise of Atari (1977-1983)

Atari took the video game world by storm in the late 1970s and early 1980s. Blockbuster titles like Pac-Man and Space Invaders became cultural icons, transforming arcades into hotbeds of competition and camaraderie. Atari's innovations, such as the joystick and home consoles, paved the way for the

industry's exponential growth.

The Home Revolution (1985-1990)

In the mid-1980s, the home video game market exploded. The Nintendo Entertainment System (NES) and Sega Master System brought gaming into living rooms around the world. Titles like Super Mario Bros. and Sonic the Hedgehog became instant classics, captivating young gamers and shaping their formative

years.

The Era of Polygons (1995-2005)

The advent of 3D graphics in the mid-1990s revolutionized video games once again. The Sony PlayStation, Nintendo 64, and Sega Dreamcast showcased cutting-edge visuals that transported players into immersive virtual worlds. Games like Tomb Raider and Resident Evil pushed the boundaries of storytelling and gameplay,

ushering in an era of unprecedented realism.

The Digital Frontier (2010-Present)

The rise of the internet and mobile devices transformed the video game industry yet again. Online gaming became a global phenomenon, connecting players across continents. Mobile gaming apps became accessible to millions, introducing a new THE ART AND SCIENCE OF CARDIAC PHYSICAL EXAMINATION WITH HEART SOUNDS

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generation to the joys of video games. Today, the industry continues to innovate and evolve, blurring the lines between entertainment, education, and social interaction.

Conclusion

From its humble origins in the arcades to its current dominance in the digital sphere, the history of video games is a testament to the power of creativity, technological advancements, and the human desire for entertainment. Video games have not only shaped our leisure time but have also influenced our culture, inspired innovation, and played a profound role in the lives of generations around the world.

Sentencia de Corte Suprema de Justicia, Sala de Casación

¿Qué es una sentencia de la Corte Suprema de Justicia, Sala de Casación?

Una sentencia de la Corte Suprema de Justicia, Sala de Casación es una decisión final e inapelable sobre un asunto legal que ha sido objeto de revisión por el máximo tribunal de un país. En Costa Rica, la Corte Suprema de Justicia es el órgano judicial más alto y la Sala de Casación es la encargada de resolver los recursos de casación, que son procesos legales extraordinarios que revisan decisiones previas de tribunales inferiores.

¿Cuándo se interpone un recurso de casación?

Un recurso de casación se interpone cuando una de las partes en un proceso judicial considera que la decisión de un tribunal inferior viola la ley o la doctrina jurisprudencial. Los motivos de casación deben ser específicos y estar relacionados con errores de forma o fondo en la sentencia impugnada.

¿Qué requisitos debe cumplir un recurso de casación?

Para que un recurso de casación sea admisible, debe cumplir con los siguientes requisitos:

- Interponerse dentro del plazo establecido por ley (15 días hábiles después de la notificación de la sentencia).
- Ser presentado por un abogado autorizado.

- Fundamentar los motivos de casación en violaciones específicas de la ley o la jurisprudencia.
- Pagar las costas del proceso.

¿Qué consecuencias tiene una sentencia de la Sala de Casación?

Una sentencia de la Sala de Casación puede tener diversas consecuencias, entre ellas:

- Anular la sentencia impugnada y ordenar la celebración de un nuevo juicio.
- Confirmar la sentencia impugnada y declarar que la misma se ajusta a la ley.
- Modificar la sentencia impugnada parcialmente, acogiendo algunos de los motivos de casación.

¿Cómo se garantiza la imparcialidad de las sentencias de la Sala de Casación?

Para garantizar la imparcialidad de las sentencias de la Sala de Casación, se siguen los siguientes principios:

- Los magistrados que integran la Sala son elegidos por un período de 8 años y únicamente pueden ser removidos por razones específicas establecidas en la ley.
- Las sentencias son dictadas por un quórum de 3 magistrados, quienes deben deliberar y votar en privado.
- Las sentencias son públicas y se publican en la Gaceta Judicial, lo que permite la revisión y el escrutinio por parte de la sociedad.

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