



**Lake Forest
Anatomicals**



QR Scan for Website

Lake Forest Anatomicals, Inc.

Cardiovascular/Cath Lab Training Models for Medicine, Research and Education

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2023 Cardiovascular/Interventional Cardiology/CathLab Educational Training Model Catalog

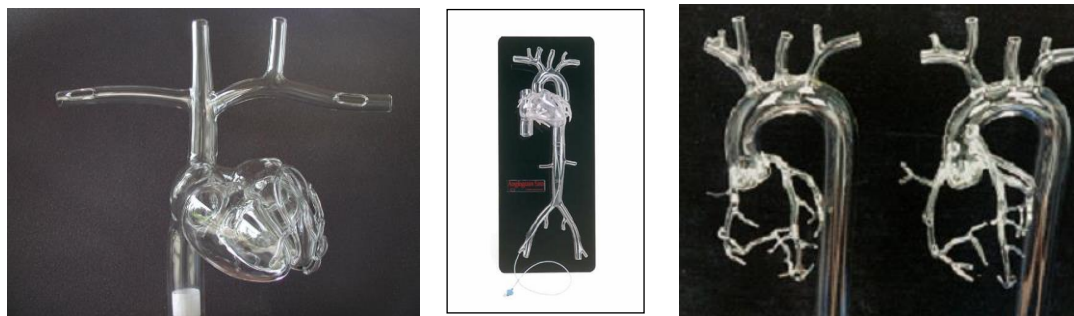
Hello! We are **Lake Forest Anatomicals, Inc.** offering a broad line of anatomically accurate, cardiovascular models and related products for use in Cardiology, Interventional Cardiology, Commercial Cardiovascular Research, EP/Cath Lab and professional staff education.



NEW! LFA # 2575 Coronary Artery Cardiac Vein Model.
Now Available on our webstore at www.lakeforestanatomicals.com.

Angiogram Sam® Family of Models

Our unique “**Angiogram Sam®**” Family of Off-the Shelf and Custom 3-dimensional models for Commercial Research and Cardio-vascular Staff Training and Education are made of durable and transparent cyro-acrylic plastic which permit liquid flow studies, catheter placement training and other clinical procedures. Models may be drilled, bored or placed in liquid bath.



The Angiogram Sam Family include the following models: (See diagrams)

* Angiogram Sam*	LFA #5000
* Angiogram Sam Plus (Extended Carotids)	LFA #5001
* Carotid Charlie	LFA #5002
* Pacemaker Pete	LFA #5005
* Venous Sam	LFA #5010
* Femoral Fred	LFA #5015
* Super Sam (Bilateral - Venous/Arterial)	LFA #5020
* Angiogram Sam w Radial Artery	LFA #5101
* Angiogram Sam Plus w Radial Artery	LFA #5102

And, the new IM/CABG Coronary Graft Models:

* Angiogram Sam I.M. CABG X3	LFA #5110
* Angiogram Sam I.M. CABG X2	LFA #5111
* Angiogram Sam Plus I.M. CABG X3	LFA #5210
* Angiogram Sam Plus I.M. CABG X2	LFA #5211

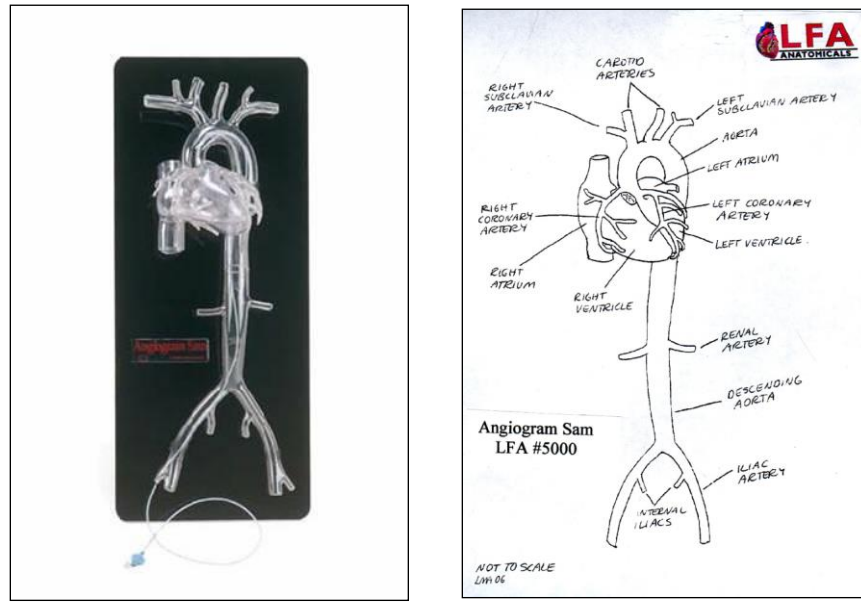
Most models complete with display stand for procedural demonstration. *Note: Use of a hard-shell carrying case or equivalent (available locally) is recommended for secure inter-departmental transport and air travel. **Canadian and International Customers welcome!** We ship to over 40 countries worldwide. Order directly online at www.lakeforestanatomicals.com. Scan QR image below to go directly to our webstore. Qualified professional or institutional purchase orders Terms: Net 30. We accept VISA, MasterCard, PayPal, ACH bank transfers. Text, e-mail or call us at 1-847-234-7367 to request a quotation or place an order.

Note to Medical Center, OEM R&D and Health Device Marketers: Clear plastic or glass 3-dimensional models and charts are ideal for clinical training, R&D, clinical research, trade shows, customer demonstrations or professional training. Contact us for more information..

Interventional Cardiology and Commercial Research

Training Models- Schematics and Use

1. ANGIOGRAM SAM Angioplasty Training Model LFA #5000:

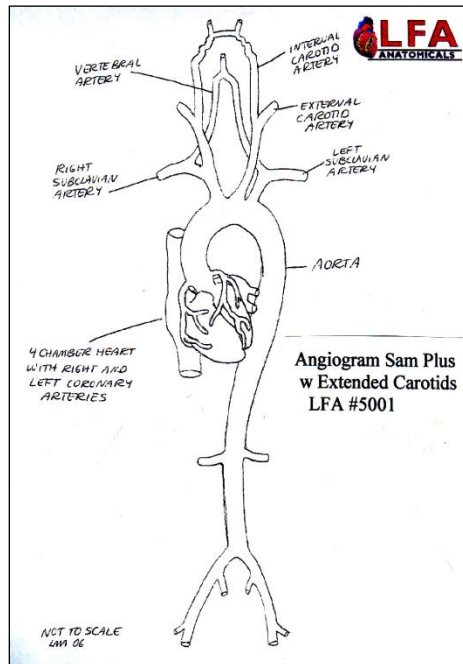


Life-size reproduction in durable clear plastic with smooth, hollow passageways to allow the tracking and deployment of trans-luminal cardiovascular catheters, stents, and guide wires. Four-chambered heart mounted to aorta allowing for standard pigtail placement. Arterial system with left and right coronaries, ascending and descending aorta, left and right subclavians, common carotids, and bilateral iliacs with femoral ports. Anatomical bifurcations and curvature. X-ray imageable. Plexiglas base allows for supine, RAO and LAO positioning. **ANGIOGRAM SAM** is the realistic upper cardiovascular anatomy of a healthy 5 ft. 8 in adult male of 180 lb. The dimensions were computed after cadaver studies of over 100 specimens and angiographic data of over 1,000 patients. The internal diameter (I.D.) of the aorta and coronaries represent healthy intima. The left anterior descending artery and the left circumflex artery have the lumens enlarged to allow the practice of second-generation devices. Made of a durable, clear plastic material or glass, accurately designed to represent the major cardiovascular structures as described above. Base allows for supine, RAO and LAO positioning.

Normal and Intended Use:

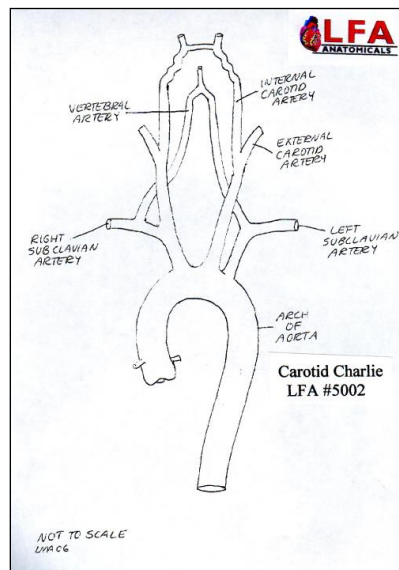
ANGIOGRAM SAM is intended to improve angioplasty related techniques including guiding catheters, guide wires, or balloon catheters. It also provides an unparalleled visual image and understanding for angiography or related invasive interventional procedures. ANGIOGRAM SAM cannot substitute for the true clinical experience but may improve final outcomes by allowing inexperienced practitioners a non-threatening practice venue. ANGIOGRAM SAM is designed to provide a level of clinical challenge similar to that encountered in the cardiac catheterization laboratory such as difficulty in turning the right catheter or maintaining the proper guiding position.

2. ANGIOGRAM SAM PLUS Angioplasty Training Model LFA #5001:



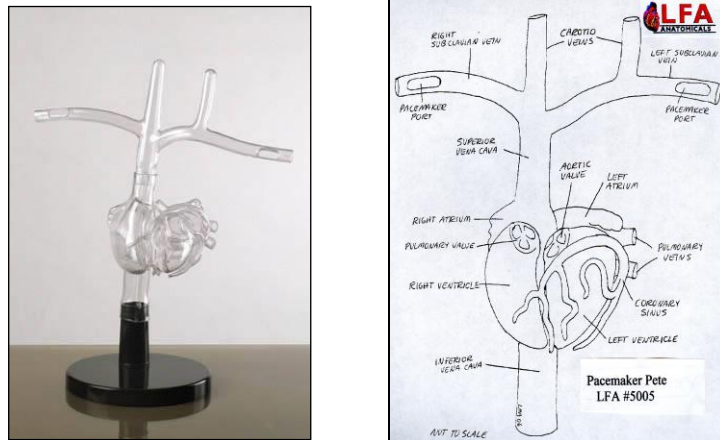
Item Description: Same as Angiogram Sam with Extended Carotid Arteries.

3. CAROTID CHARLIE - Angioplasty Training Model- LFA #5002:



Item Description: Upper Arterial Vascular System including Internal and External Carotid Arteries.

4. PACEMAKER PETE - Angioplasty Training Model- LFA #5005:



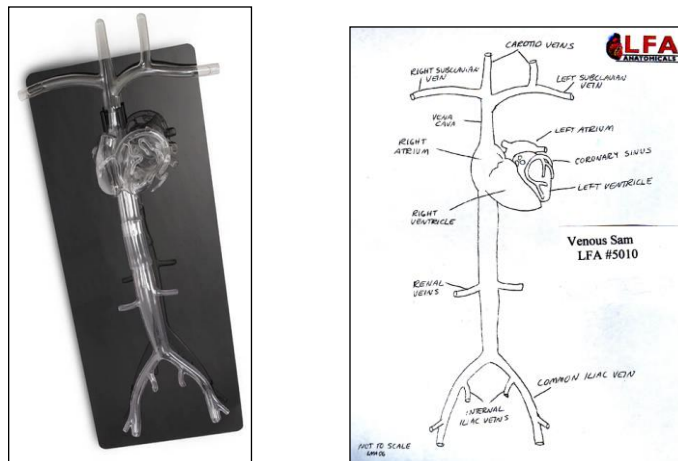
Item Description: "PACEMAKER PETE" is the realistic upper cardiovascular anatomy of a healthy 5 ft 8 in adult male of 180 lb. The dimensions were computed after cadaver studies of over 100 specimens and angiographic data of over 1,000 patients. The ID's of the upper venous and coronary sinus represent healthy intimae. Note: No stand included.

Normal and Intended Use:

PACEMAKER PETE is designed to provide a level of challenge similar to that encountered in the cardiac catheterization laboratory, such as difficulty in turning the catheter, or maintaining position. After multiple attempts, PACEMAKER PETE is intended to improve invasive techniques including pacemaker leads and EP catheters. It also provides an unparalleled visual understanding and feeling for angiographic positioning for most interventional procedures.

PACEMAKER PETE cannot replace the real experience but may improve final outcomes by allowing inexperienced practitioners a non-threatening practice venue, and by challenging experienced operator skills and their spatial understanding. Normal use implies that luminal catheters are inserted using wires with stiff guiding lumen catheters. The coronary sinus is designed for all leads and EP catheters.

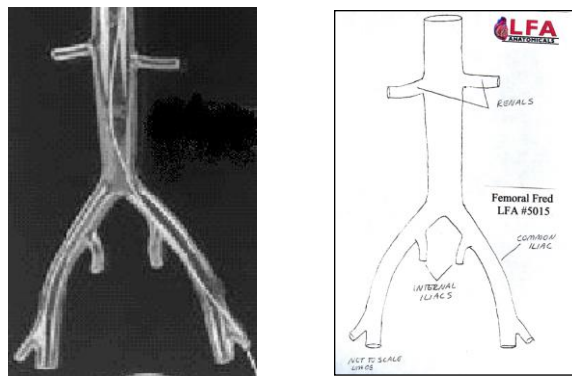
5. VENOUS SAM - Angioplasty Training Model- LFA #5010:



Item Description: "VENOUS SAM" is the realistic upper cardiovascular anatomy of a healthy 5 ft. 8 in. adult male of 180 lb. The dimensions were computed after cadaver studies of over 100 specimens and angiographic data of over 1,000 patients. Made of a durable, clear plastic material or glass, accurately designed to represent the major cardiovascular structures as described above. The ID's of the upper/lower venous and coronary sinus represent healthy intimae. The coronary sinus lumens are internally strong to allow the practice of multiple devices.

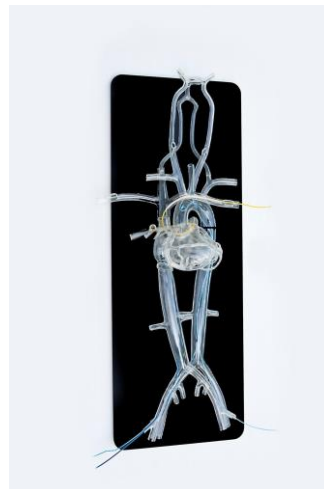
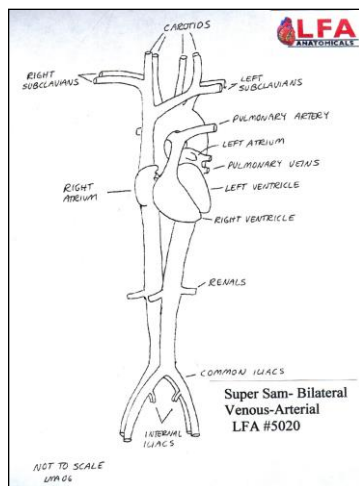
Normal and Intended Use: VENOUS SAM is designed to provide a level of challenge similar to that encountered in the cardiac catheterization laboratory, such as difficulty in turning the catheter, or maintaining position. After multiple attempts, VENOUS SAM is intended to improve invasive techniques including pacemaker leads, EP catheters, transeptal guide wires, and valvuloplasty balloon catheters. It also provides an unparalleled visual understanding and feeling for angiographic positioning for most interventional procedures. VENOUS SAM cannot replace the real experience but may improve final outcomes by allowing inexperienced practitioners a non-threatening practice venue, and by challenging experienced operator skills and their spatial understanding. Normal use implies that luminal catheters are inserted using wires with stiff guiding lumen catheters. Swan and femoral pacers can be introduced as normally prescribed. The coronary sinus is designed for all leads and EP catheters.

6. FEMORAL FRED - Angioplasty Training Model- LFA #5015:



Item Description: "FEMORAL FRED" is the realistic lower cardiovascular anatomy of a healthy 5 ft 8 in adult male of 180 lb. The dimensions were computed after cadaver studies of over 100 specimens and angiographic data of over 1,000 patients. Made of a durable, clear plastic material or glass, accurately designed to represent the major cardiovascular structures as described above.

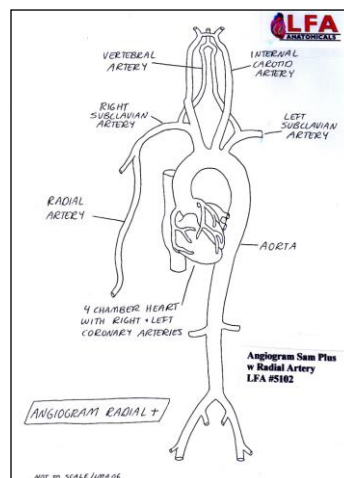
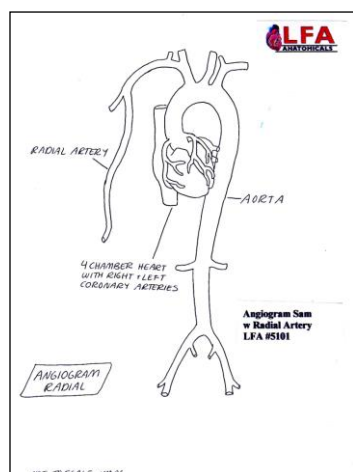
7. SUPER SAM – Bilateral Venous-Arterial Training Model- LFA #5020 and SUPER SAM PLUS with Extended Carotids –LFA # 5022:



Item Description: "SUPER SAM" is a UNIQUE bi-lateral venous and arterial cardiovascular model of a healthy 5 ft. 8 in. adult male of 180 lb. The dimensions were computed after cadaver studies of over 100 specimens and angiographic data of over 1,000 patients. Made of a durable, clear plastic material or glass, accurately designed to represent the major cardiovascular structures as described above.

8. ANGIOGRAM SAM WITH RIGHT RADIAL ARTERY- Arterial Training Model- LFA #5101:

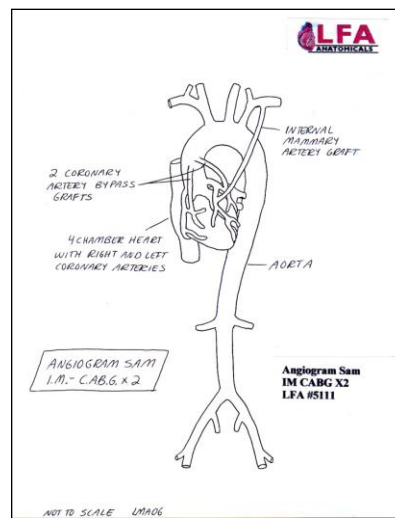
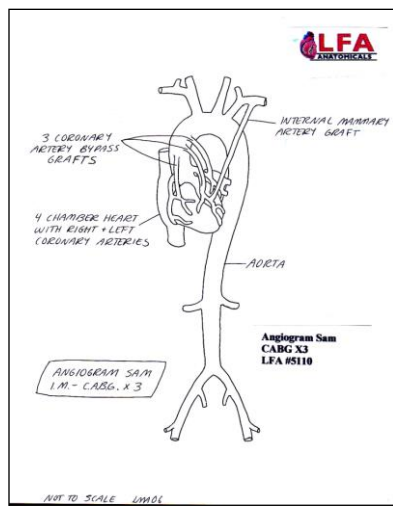
9. ANGIOGRAM SAM PLUS WITH RIGHT RADIAL ARTERY- Arterial Training Model- LFA #5102:



Item Description: "Angiogram Sam" or "Angiogram Sam Plus" with Right Radial Artery cardiovascular model of a healthy 5 ft. 8 in. adult male of 180 lb for Sones procedure.

10. ANGIOGRAM SAM I.M. CABG X3 Training Model- LFA #5110:

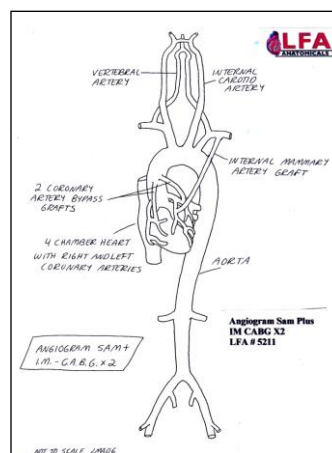
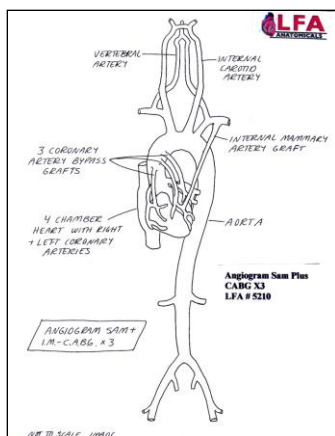
11. ANGIOGRAM SAM I.M. CABG X2 Training Model- LFA #5111:



Item Description: "Angiogram Sam" with Internal Mammary Artery Graft and either 2 or 3 Coronary Bypass Grafts.

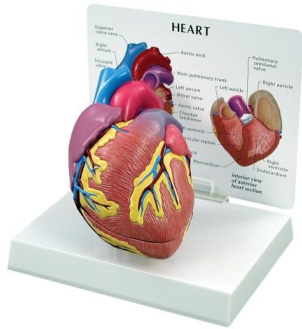
12. ANGIOGRAM SAM PLUS I.M. CABG X3 Training Model- LFA #5210:

13. ANGIOGRAM SAM PLUS I.M. CABG X2 Training Model- LFA #5211:

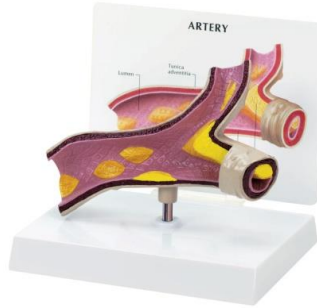


Item Description: "Angiogram Sam Plus" with Internal Mammary Artery Graft and either 2 or 3 Coronary Bypass Grafts.

B. Cardiovascular Models for Clinical/Consumer Education



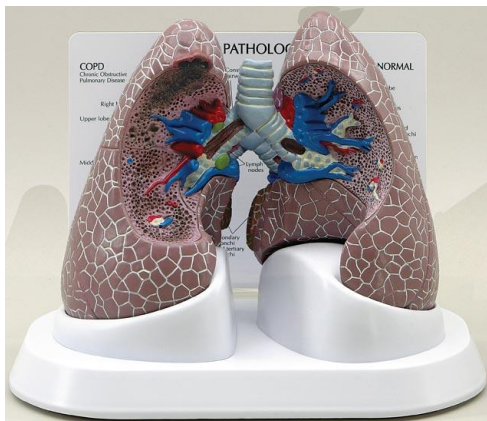
LFA #2500 Heart



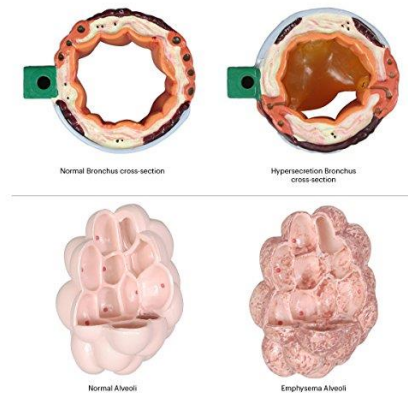
LFA #2600 Artery



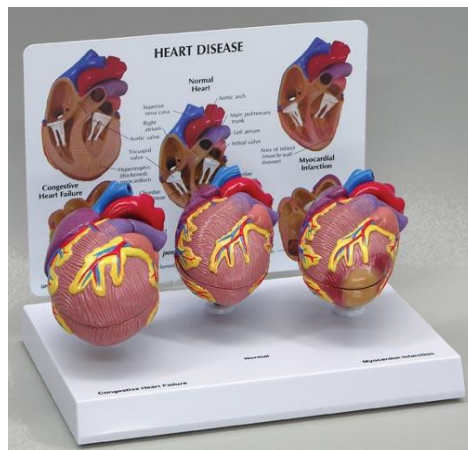
LFA #2655 Vein



LFA #3100 Lung w Pathologies/COPD



LFA # 3130 COPD w Bronchus/Alveoli
(Close-Up Only Shown)



LFA #2550 3-Mini Heart Set including Normal, Infarcted, and
Congestive Heart Models

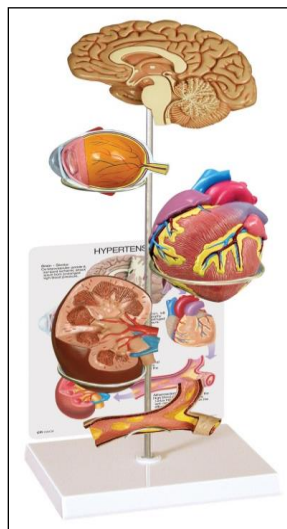


LFA #2650 4-Pc Artery Set- Showing Progressive Blockage



LFA #2652 Danny Smith Heart Model

LFA #2575 Coronary Artery and Vein



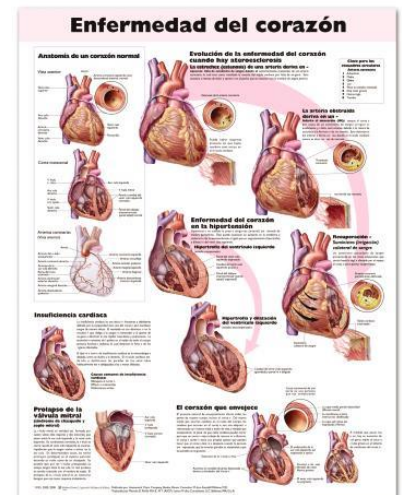
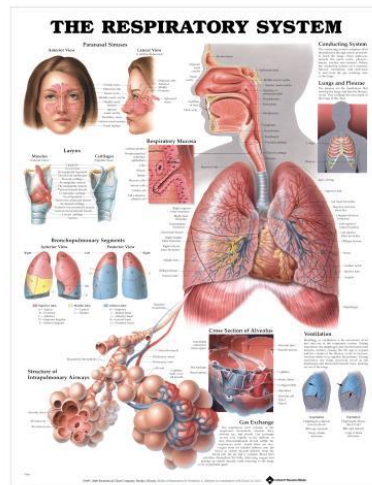
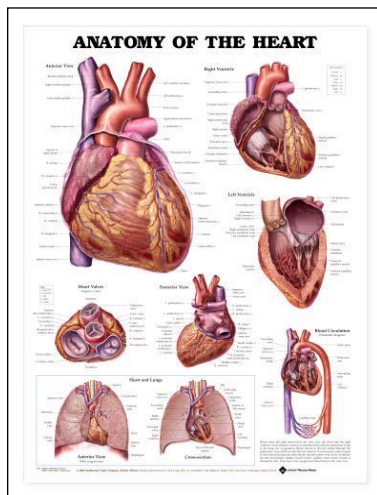
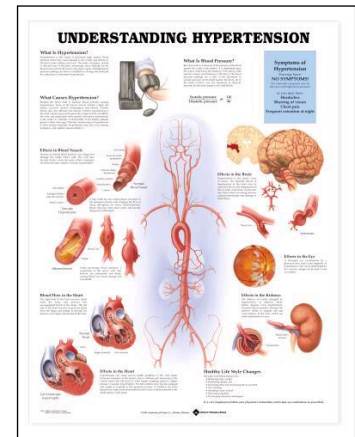
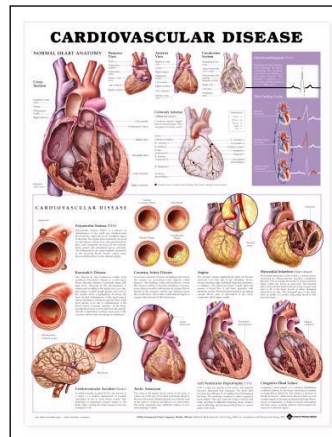
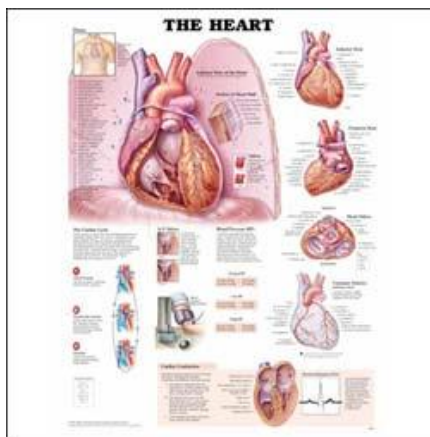
LFA #2650H Heart w Bypass

LFA #4000 Hypertension Set

LFA #2649 GIANT Heart

Cardiovascular Educational Wallcharts

Here are a few of our anatomically accurate wallcharts that will supplement the use of anatomical models for staff and customer education. Laminated w grommets. Durable. Can write on. (Many available in Spanish):





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