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(Movie clips prepared by Drs Navin C Nanda, Ming C Hsiung, Kunal Bhagatwala and Nidhi M Karia)

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Movie Clip 82.1: Normal lung.
Movie Clip 82.2: Multiple B-lines from the pleural line.

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Movie Clip 84.1: Normal tag lines.
Movie Clip 84.2: Abnormal myocardial deformation in the hypertrophied myocardium.
Movie Clip 84.3: Normal “slippage-sign”.
Movie Clip 84.4: Adherent pericardium. Absent “slippage-sign”.
Movie Clip 84.5: Free flowing pericardial effusion. Tag lines fade.
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Movie Clip 85.1: Axial CT coronary.
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ADDITIONAL MOVIE CLIPS

CHAPTERS 40–44
(Movie clips prepared by Drs Navin C Nanda, Kunal Bhagatwala and Nidhi M Karia)

Movie Clip 1: Severe aortic regurgitation.
Movie Clip 2: Aortic regurgitation.
Movie Clip 3: Septal perforator coronary arteries-left ventricular fistula mimicking aortic regurgitation.
Movie Clip 4: Aortic valve: nodules of Arantius and Lambl's excrescence.
Movie Clip 5: Aortic valve fibroelastoma and Lambl's excrescence.
Movie Clip 6: Prosthetic aortic valve vegetation.
Movie Clip 7: Saccular right sinus of Valsalva aneurysm.
Movie Clip 8: Right sinus of Valsalva aneurysm rupture.
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Movie Clip 10: Descending aortic aneurysm rupture into left lung parenchyma.
Movie Clip 11: Aortic dissection.
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Movie Clip 17: Aortic dissection.
Movie Clip 18: Aortic dissection.
Movie Clip 19: Aortic dissection rupture into the right ventricle.
Movie Clip 20: Abdominal aortic dissection.
Movie Clip 21: Aortic injury.
Movie Clip 22: Aortic transection.
Movie Clip 23: Acquired thoracic aortic coarctation following transection of the proximal descending aorta.
See also movie clips 7 (ascending aorta), 18 (ascending aortic aneurysm), 20 (ascending aorta), 27 (innominate vein valve) and 46 (abdominal aortic dissection) in chapter 11.
See also movie clips 15, 16, 17, 27, 28, 29 and 30 (native and prosthetic aortic valve vegetations) in chapter 47.
See also movie clips 12 (aortic atherosclerosis), 30 (bicuspid aortic valve), 31 (bicuspid aortic valve), 33 (quadricuspid aortic valve), 36 (valvular and supravalvular aortic stenosis) in chapter 78.
See also movie clips 1 (aortic atherosclerosis), 2 (aortic valve sclerosis), 3 (aortic valve sclerosis), 4 (aortic valve sclerosis), 9-16 (aortic valve stenosis), 17 (transcutaneous aortic valve replacement), 18 (aortic arch aneurysm), 19-22 (aortic dissection) in chapter 79.

CHAPTERS 49 and 50
(Movie clips prepared by Drs Navin C Nanda, Kunal Bhagatwala, Nidhi M Karia and Preeti Chaurasia)

Section 1: Prosthetic Valves
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Movie Clip 2B: Phonoechocardiogram in Smeloff-Cutter mitral prosthesis dysfunction.
Movie Clip 2C: Excised Smeloff-Cutter mitral prosthesis dysfunction.
Movie Clip 3: Normal prosthetic valve motion.
Movie Clip 4: Prosthetic valve thrombosis.
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Movie Clip 7: Stuck bioprosthetic mitral valve leaflet.
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Movie Clips 9A and B: Prosthetic obstruction mimic.
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Movie Clip 11: Paravalvular mitral regurgitation.
Movie Clip 12: Prosthetic vegetation.
Movie Clip 13: Prosthesis placement.
Movie Clip 14: Aortic regurgitation mimic.
Movie Clip 15: Stenotic and infected tissue aortic valve prosthesis.
Movie Clip 16: Prosthetic obstruction.
Movie Clip 17: Prosthetic valve hematoma.
Movie Clip 18: Prosthetic valve abscess.
Movie Clip 19: Patient aortic prosthetic mismatch.
Movie Clips 20A to C: Paravalvular aortic regurgitation.
Movie Clip 21: Flail homograft aortic valve.
Movie Clip 23: Aortic dissection developing after aortic valve replacement.

Section 2: Mitral Rings
Movie Clips 1A and B: Mitral annuloplasty ring.
Movie Clips 2A and B: Flail mitral annuloplasty ring.
**CHAPTERS 60 and 64**
(Movie clips prepared by Drs Navin C Nanda, Kunal Bhagatwala and Nidhi M Karia)

**Movie Clip 1:** Ischemic heart disease.
**Movie Clip 2:** Left ventricle aneurysm.
**Movie Clip 3:** Left ventricular wall motion abnormalities and clot.
**Movie Clip 4:** Left ventricular pseudoaneurysm.
**Movie Clip 5:** Right ventricular myocardial infarction.
**Movie Clip 6:** Ventricular septal rupture following myocardial infarction and surgical closure patch dehiscence.
**Movie Clip 7:** Ventricular septal rupture following acute myocardial infarction.
**Movie Clip 8:** Ventricular septal rupture following myocardial infarction.
**Movie Clip 9:** Ventricular septal rupture with pseudoaneurysm following myocardial infarction.
**Movie Clip 10:** Ventricular septal rupture following myocardial infarction associated with right ventricular papillary muscle rupture.
**Movie Clip 11:** Cardiac rupture following myocardial infarction.
**Movie Clip 12:** Cardiac rupture following myocardial infarction.
**Movie Clip 13:** Combined left ventricular pseudoaneurysm and ventricular septal rupture.
**Movie Clip 14:** Papillary muscle rupture following acute myocardial infarction.

See also movie clips 5 (right coronary artery), 8 (left main coronary artery), 35 (coronary arteries), 36 (coronary arteries), 37(coronary arteries), 38(coronary arteries) in chapter 11.

See also movie clips 12C (ischemic heart disease) and 13 (coronary stenosis) in chapter 78.

See also movie clips 23 (left main and left anterior descending artery stenosis) and 24 (left main and mid left anterior descending artery stenosis) and 25 (anomalous coronary artery) in chapter 79.

**CHAPTER 65**
(Movie clips prepared by Drs Navin C Nanda and Ming C Hsiung)

**Movie clip 1A:** Hypertrophic cardiomyopathy.

**Movie clip 1B:** M-mode examination. Systolic anterior motion of mitral valve.
**Movie clip 1C:** M-mode examination. Midsystolic closure of the aortic valve (AV).
**Movie Clips 1D and E:** Systolic anterior motion of the mitral valve.
**Movie Clip 1F:** Severe mitral regurgitation (MR).
**Movie Clip 2:** Hypertrophic cardiomyopathy.
**Movie Clip 3:** Hypertrophic cardiomyopathy.
**Movie Clip 4:** Hypertrophic cardiomyopathy.
**Movie Clip 5:** Hypertrophic cardiomyopathy.
**Movie Clip 6:** Apical hypertrophic cardiomyopathy.
**Movie Clip 7A:** Apical hypertrophic cardiomyopathy
**Movie Clip 7B:** Apical hypertrophic cardiomyopathy
**Movie Clip 7C:** Apical hypertrophic cardiomyopathy
**Movie Clip 7D:** Apical hypertrophic cardiomyopathy
**Movie Clip 8:** Septal perforator coronary artery-left ventricle fistula following septal myectomy.

**CHAPTER 75**
(Movie clips prepared by Drs Navin C Nanda, Reema Chugh, Kunal Bhagatwala, Nidhi M Karia, Ming C Hsiung and Asad Ullah Roomi)

**Movie Clip 1:** Marfan’s syndrome. Aortic aneurysm.
**Movie Clip 2:** Patent foramen ovale in a patient with right ventricular infarction.
**Movie Clip 3:** Combined patent foramen ovale and intrapulmonary shunt.
**Movie Clip 4:** Atrial septal aneurysm with prolapse into the right ventricle and secundum atrial septal defect.
**Movie Clip 5:** Two secundum atrial septal defects in the same patient.
**Movie Clip 6:** Sinus venosus atrial septal defect with patent ductus arteriosus.
**Movie Clip 7:** Perimembranous ventricular septal defect.
**Movie Clip 8:** Ventricular septal defect with vegetations.
**Movie Clip 9:** Apical ventricular septal defect.
**Movie Clip 10:** Gerbode defect
**Movie Clip 11:** Eisenmenger syndrome.
**Movie Clip 12:** Patent ductus arteriosus.
**Movie Clip 13:** Common ativoventricular septal defect.
**Movie Clip 14:** Common ativoventricular septal defect.
**Movie Clip 15:** Complete ativoventricular septal defect.
**Movie Clip 16:** Complete ativoventricular septal defect.
**Movie Clip 17:** Left atrial appendage aneurysm.
**Movie Clip 18:** Right coronary artery—coronary sinus fistula.
**Movie Clip 19:** Ebstein’s anomaly.
**Movie Clip 20:** Ebstein’s anomaly.
Movie Clip 21: Bicuspid aortic valve and bicuspid aortic valve stenosis.
Movie Clip 22: Discrete membranous subaortic stenosis.
Movie Clip 23: Residual coarctation of the aorta status post repair.
Movie Clip 24: Tetralogy of Fallot.
Movie Clip 25: dextro-Transposition of the great arteries, status post Mustard repair.
Movie Clip 26: Truncus arteriosus.
Movie Clip 27: Double outlet right ventricle.
Movie Clip 28: Double outlet right ventricle.
Movie Clip 29: Tricuspid atresia.
Movie Clip 30: Tricuspid atresia.
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Movie Clip 31B: Cor triatriatum sinister.
Movie Clip 31C: Cor triatriatum.
Movie Clip 32A: Blood cyst in the right atrium.
Movie Clip 32B: Blood cyst in the right atrium.