

Basics of Angioplasty Course Syllabus

14 February 2013

Day 1	Programme
<i>9 am to 11 am</i>	Session I
	Proctor- Dr.C.Raghu
	Lecture 1 – Vascular access – radial and femoral - 20 minutes
	Lecture 2 – Radial spasm - 20 minutes
	Lecture 3 – En-route issues of radial access - 20 minutes
	Live Case 1 – Coronary angiography
	Demo 1 – Femoral access - 20 minutes
	Demo 2 – Radial access - 20 minutes
	Demo 3 – Basics of hardware – needles, micro-puncture sets, sheaths, wires - 30 minutes
	11 am to 11.15 am – Coffee break
<i>11.15 am to 1.15 pm</i>	Session II
	Proctor - Dr.C.Raghu
	Lecture 1 – Coronary angiography views
	Lecture 2 – How and what information to obtain in the angiography
	Lecture 3 –Risk stratification prior to coronary angiography
	Live Case 2 – Coronary angioplasty
	Demo 1 – Cannulation of coronaries – Right and Left
	Demo 2 – Basics of hardware - catheters used in coronary angiography
	Demo 3 – Anomalous origin of coronaries and cannulation

1.15 pm to 2.00 pm – Lunch break	
2.00 to 4.00 pm	Session III
	Lecture 1 – Guide catheter
	Lecture 2 – Special hardware for Better guide
	Lecture 3 – Guide Catheter manipulation
	Live Case 3 – Distal RCA angioplasty
	Demo 1 – Cannulating coronaries with Guide catheter
	Demo 2 –Cannulating bypass grafts
	Demo 3 – Circumventing a complex RCA angioplasty
4.00 pm to 6.00 pm	Session IV
	Simulator based training for cannulating coronaries
	Case based learning opportunities:
	» Radial access difficulties
	» Anomalous right from left sinus
	» Ostial lesion
	» Calcified lesion

15 February 2013

Day 2	Programme
9 am to 11 am	Session V
	Guide wire
	Lecture 1: Coronary Guide wires – A Primer
	Lecture 2: Coronary Guide wires – Practical tips
	Lecture 3: Coronary Guide wires – A company wise discussion and synopsis
	Live Case 4 Circumflex coronary angioplasty

	Demo 1: How to manipulate and position coronary guide wire
	Demo 2: How to exchange a coronary guide wire
	Demo 3: Traversing a tortuous lesion – Strategies and tips
Tea Break 11to 11.15 am	
11.15 am to 1.15 pm	Session VI
	Balloons
	Lecture 1: Coronary balloons – A Primer
	Lecture 2: Coronary Micro-catheters – A Primer
	Lecture 3: Wire crossed but balloon not crossing – Strategies and tips
	Live Case 5 LAD angioplasty – hard lesion
	Demo 1: How to use a Cutting balloon
	Demo 2: How to use a micro-catheter
	Demo 3: Tips to prevent “melon seeding”
Lunch Break: 1.15 to 2.00 pm <i>History of Coronary angiography</i>	
2.00 to 4.00 pm	Session VII
	Stents
	Lecture 1: Evolution of stent technology
	Lecture 2: A Glimpse into the future of stent technology
	Lecture 3: Stent Thrombosis – Strategies for prevention and treatment
	Live case 5
	Demo 1: Unexpanded stent – What to do?
	Demo 2: Stent restenosis – Tips to prevent it
	Demo 3: Direct stenting – What are the pros and Cons?

<i>4 to 6 pm</i>	Session VIII Miscellaneous issues in Coronary Angioplasty
Pharmacotherapy	
	Lecture 1: Antiplatelet therapy during PCI in ACS
	Lecture 2: Anti-platelets and surgery – Practical Guidelines
	Lecture 3: Radiation protection after angioplasty
	Live case 6
	Demo 1: Stent thrombosis – Management
	Demo 2: No reflow phenomenon – Management
	Demo 3: Tortuous lesion – Strategies to improve stent deliverability