



Medivir

A collaborative and agile pharmaceutical company with an R&D focus on infectious diseases and a leading position in hepatitis C

Q3-2013 Conference Call 21 November 2013

Presenting team

Maris Hartmanis, CEO

Charlotte Edenius, EVP Development

Richard Bethell, EVP Discovery Research

Rein Piir, EVP Corporate Affairs & IR



Reflections on Q3 2013

Maris Hartmanis, CEO

Medivir's way forward since the Q2 report

Commercial focus

- Simeprevir was approved in Japan and Canada
- The approval in Japan triggered a milestone payment of €5m to Medivir
- A new R_x pharmaceutical was added to the Nordic portfolio through a distribution agreement with Ferrer
- Medivir's Nordic R_x portfolio continued to show a stable sales performance

Progress

- MIV-247 was selected as a candidate drug and entered pre-clinical development for the treatment of neuropathic pain
- Solid phase I data with MIV-711 were presented in our cathepsin K program for bone-related disorders
- New simeprevir results were presented from the COSMOS study, in HCV/HIV co-infected patients and in GT 4 patients
- Our partner Janssen acquired an NS5A replication complex inhibitor from GSK, now named JNJ-56914845. Simeprevir will be evaluated with JNJ-56914845 in upcoming interferon-free trials

Structure

- We focused the in-house hepatitis C projects to those involving nucleotide-based polymerase inhibitors
- Medivir discontinued its collaboration with Daewoong Pharmaceutical Co. Ltd. regarding the development of MIV-210 (Hepatitis B)
- Evaluation of the future discovery research strategy has started

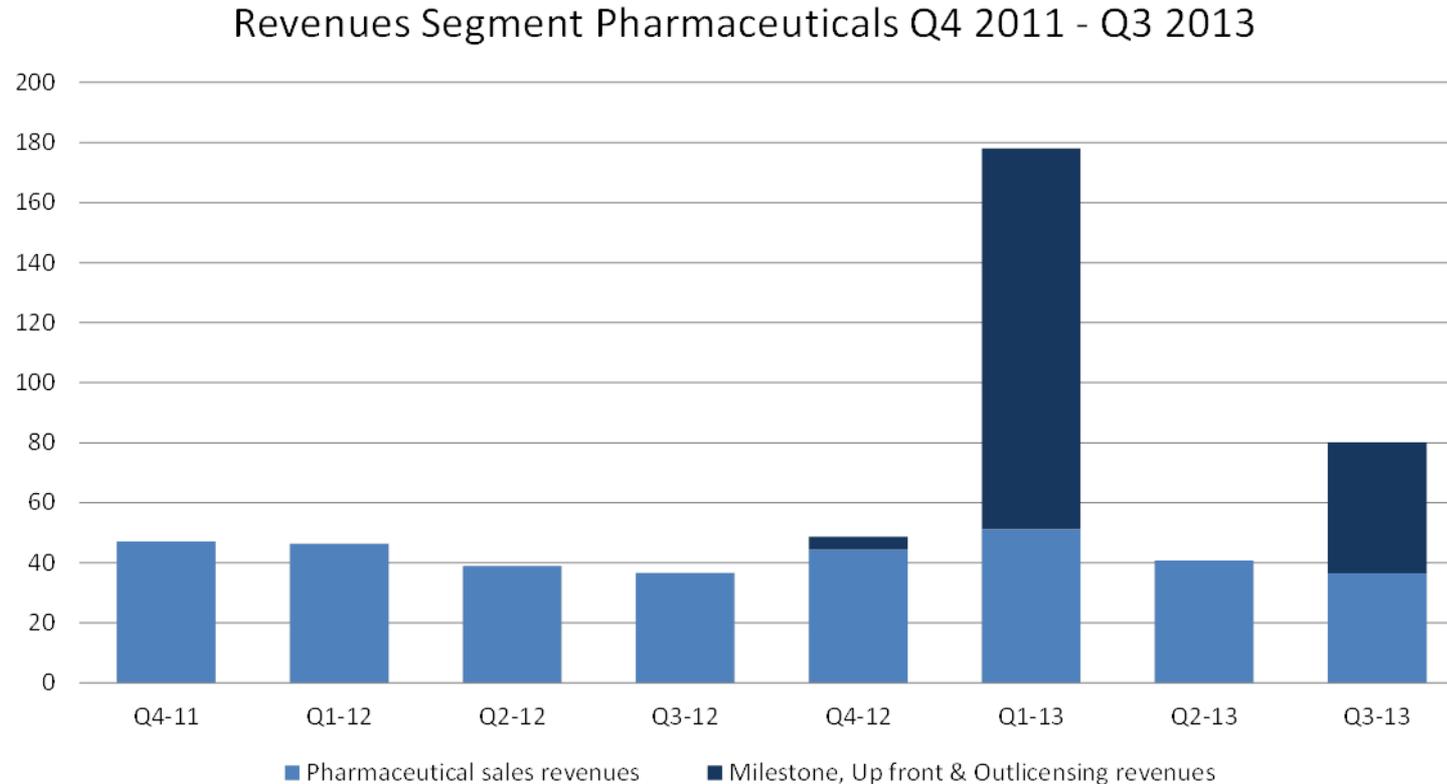
Consolidated profit performance

(SEK m)	2013 July-Sept	2012 July-Sept	2013 Jan-Sept	2012 Jan-Sept
Net turnover	80.2	36.6	299.0	121.8
Gross profit	64.1	22.9	247.9	77.0
EBITDA	0.8	-40.8	44.4	-120.4
EBIT	-10.1	-48.6	4.6	-147.6
Profit/loss before tax	-9.6	-53.7	4.9	-152.1
Profit/loss after tax	-10.7	-56.2	-3.3	-163.5

Net turnover breakdown

(SEK m)	2013 Jul- Sept	2012 Jul- Sept	2013 Jan- Sept	2012 Jan- Sept
Outlicensing and partnership agreements/Non-recurrent payments	43.6	0.0	170.5	0.0
Pharmaceutical sales	36.6	35.4	128.5	120.6
Other services	0.0	1.2	0.0	1.2
Total	80.2	36.6	299.0	121.8

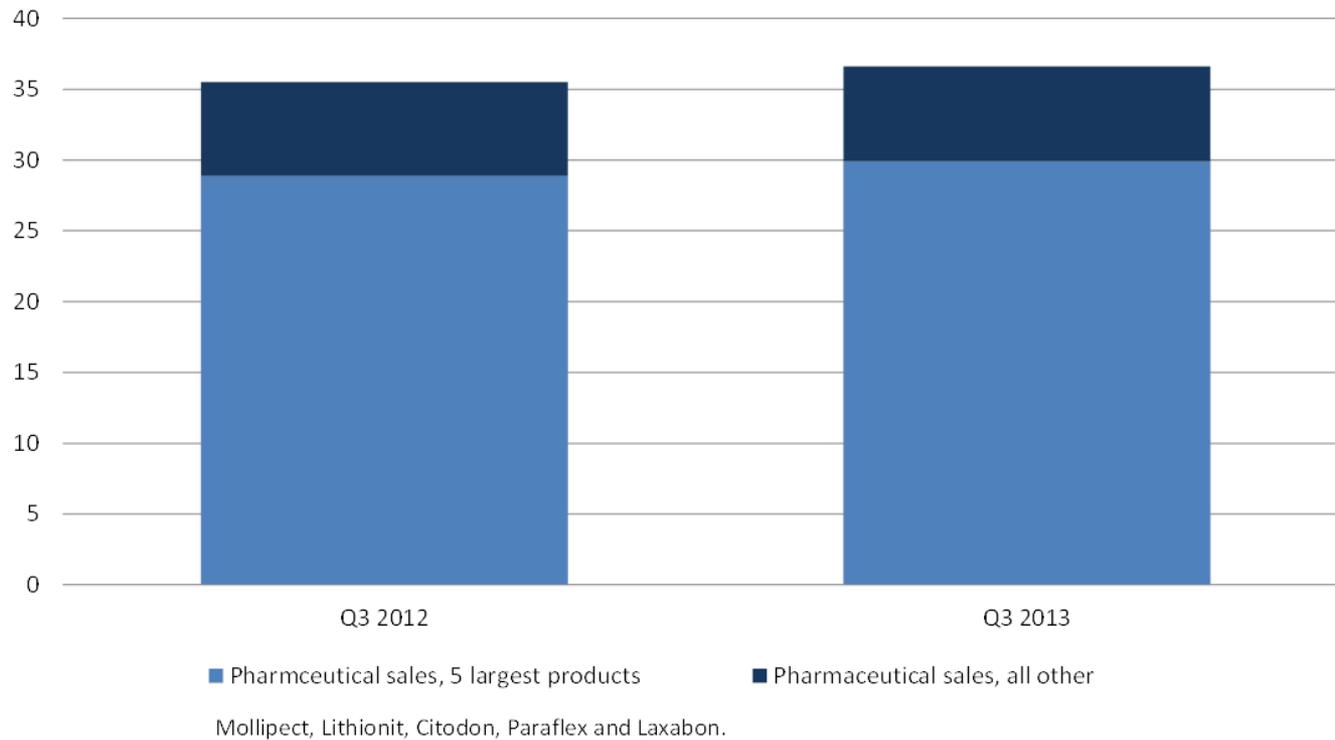
Quarterly sales trend in Pharmaceuticals, SEK m*



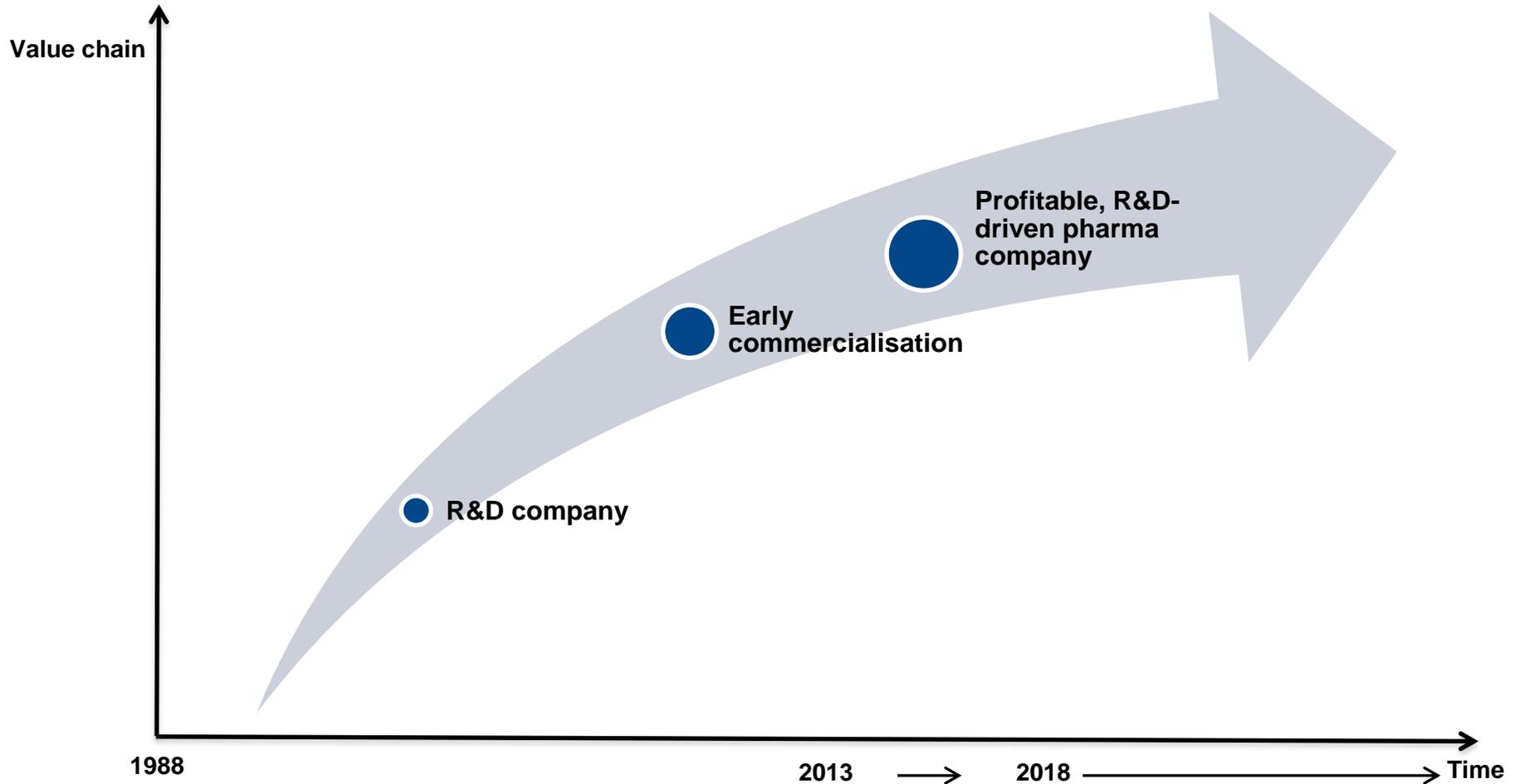
*The BioPhausia corporate group is included from May 31, 2011.

Segment Pharmaceuticals

Pharmaceutical sales revenues Segment Pharmaceuticals
Q3 2012 vs. Q3 2013



The transformation of Medivir



We are on a journey to transform Medivir into a pharma company with long-term sustainable profit and growth



Key R&D highlights from Q3 2013

Charlotte Edenius, EVP Development

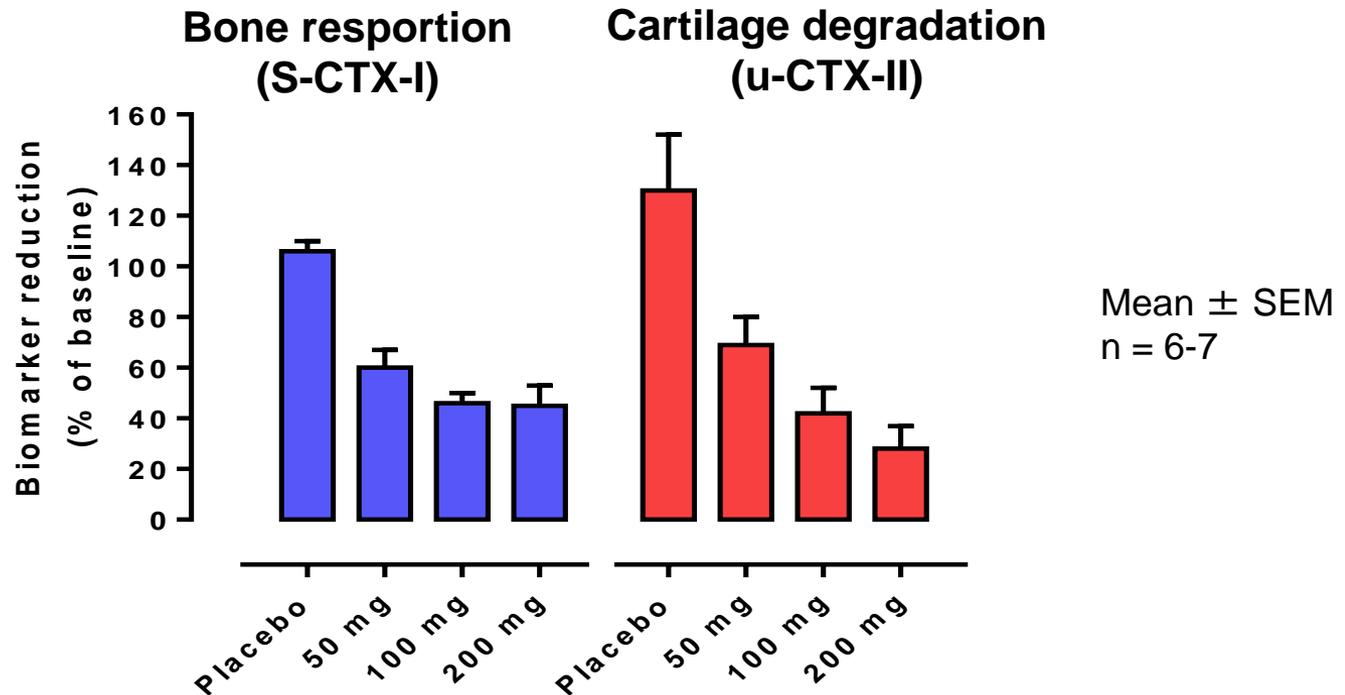
Our R&D pipeline is the engine of Medivir

Field	Project	Partner	Preclinical phase		Clinical phase				Market	
			Re-search	Deve-lopment	Phase I	Phase IIa	Phase IIb	Phase III		
Antivirals										
Labial herpes	Xerclear (Zoviduo, Zovirax Duo)	GlaxoSmithKline (GSK)								
Hepatitis C	Simeprevir (TMC435), NS3 protease inhibitor	Janssen Pharmaceuticals								
Hepatitis C	NS5B nucleotide-based polymerase inhibitor	Janssen Pharmaceuticals								
Hepatitis C	NS5B nucleotide-based polymerase inhibitor	Unpartnered								
HIV	Protease inhibitor	Janssen Pharmaceuticals								

Other indications

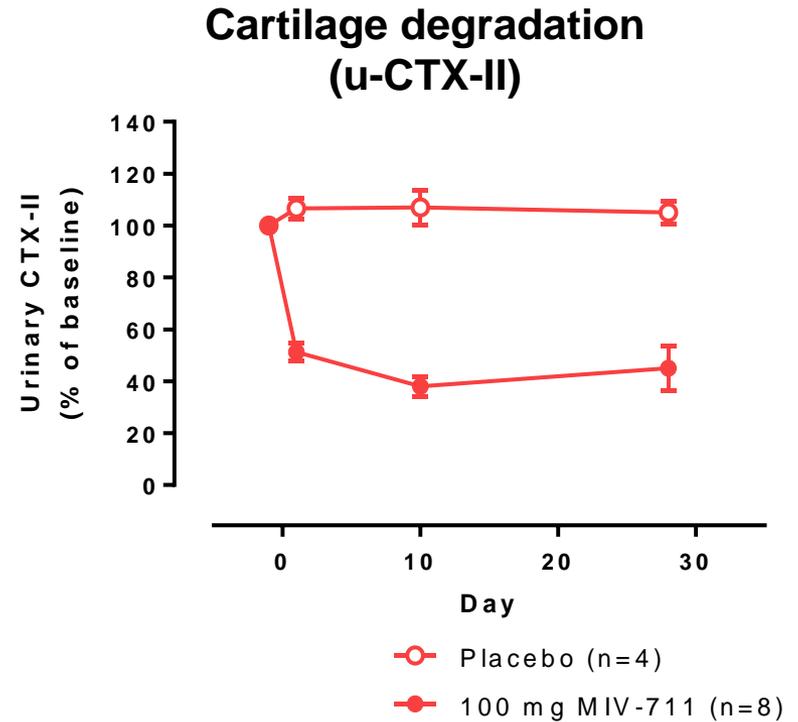
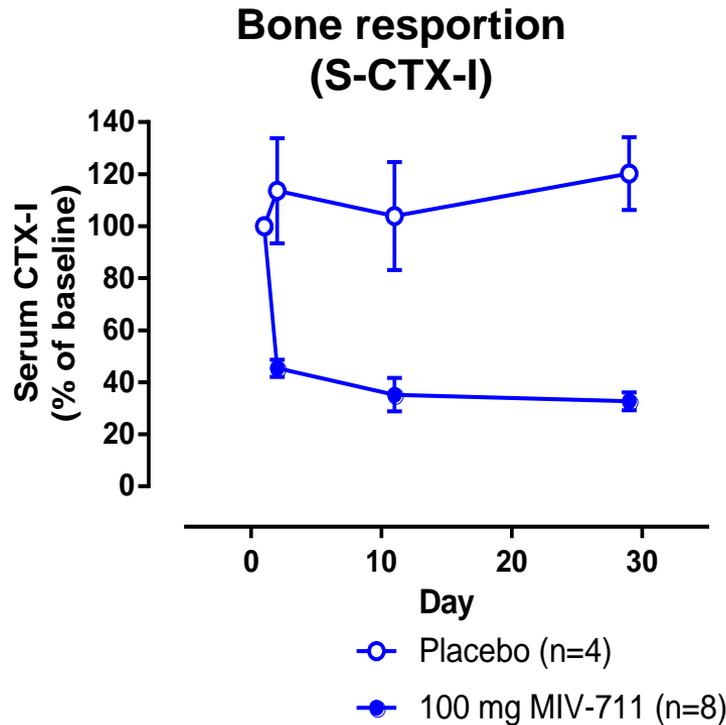
Bone related disorders	Cathepsin K inhibitor	Unpartnered								
Neuropathic pain	Cathepsin S inhibitor	Unpartnered								

MIV-711 Phase I: potent effects on cartilage and bone turnover of once daily MIV-711 over 7 days



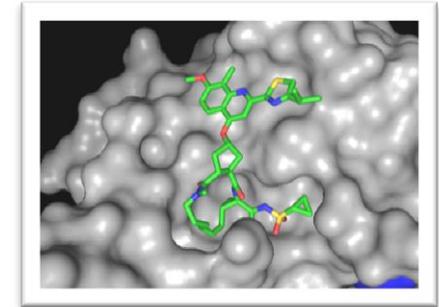
MIV-711 showed dose-dependent reduction in markers of both cartilage degradation and bone resorption

MIV-711 Phase I: reduced cartilage and bone turnover in post-menopausal women



Clinical data support further development of MIV-711 for osteoarthritis and other skeletal disorders

Simeprevir: a next generation HCV protease inhibitor



- Approved in Japan and Canada with a broad label
- Under review in US and EU
 - Unanimous recommendation for approval at Oct. 24 FDA AdCom
- Activities underway to expand commercial opportunity of triple regimen
- An important cornerstone in coming IFN free treatment options
 - Currently studied in a large number of IFN and ribavirin free combinations

Simeprevir – High cure rates in broad patient populations and a favorable safety profile

Additional phase III studies of simeprevir triple therapy to enhance commercial profile

12 week treatment duration

- **12 weeks full stop triple combination study**, open-label, single-arm study in treatment naïve GT1 patients
 - Recruitment ongoing

Regional expansion - China

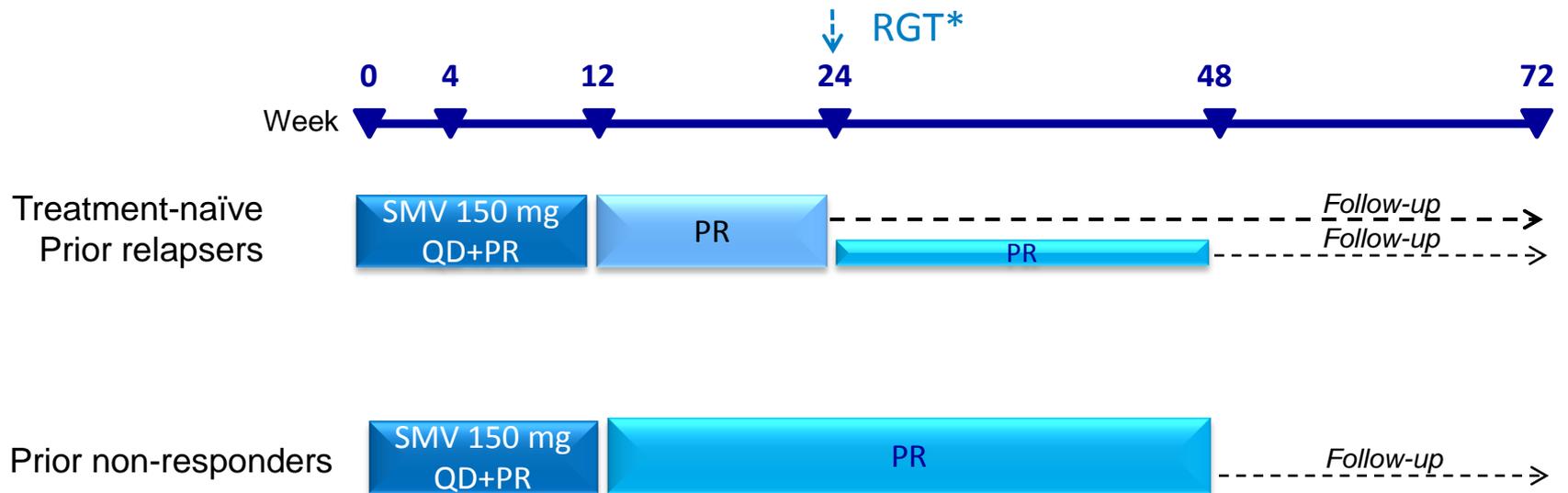
- A pivotal study of Efficacy, Safety & Tolerability and Pharmacokinetics in treatment naïve GT1 HCV patients (*fully enrolled; n=444*)

Patient population expansion

- **Genotype 4 HCV infected patients**
 - Interim results presented at EACS, Brussels, Oct 2013
- **HIV/HCV co-infected patients**
 - Primary SVR12 results at EACS, Brussels, Oct 2013

RESTORE: HCV genotype 4 infected patients

Study design

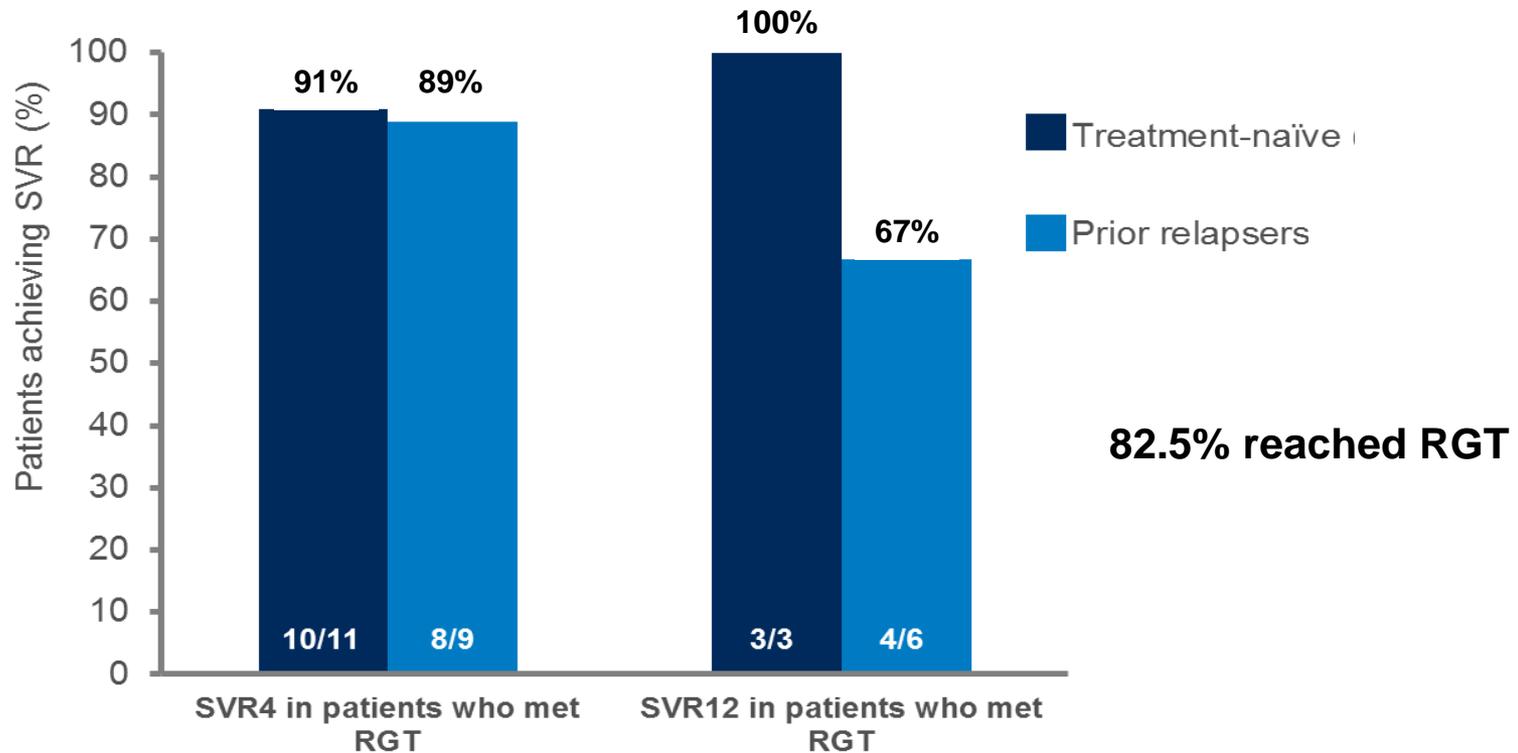


At time of interim analysis SVR could only be assessed in patients who met RGT and reached study visit W28 (SVR4) and W36 (SVR12)

HCV genotype 4 accounts for approximately 20% of all cases of chronic HCV worldwide¹

HCV genotype 4 infected patients

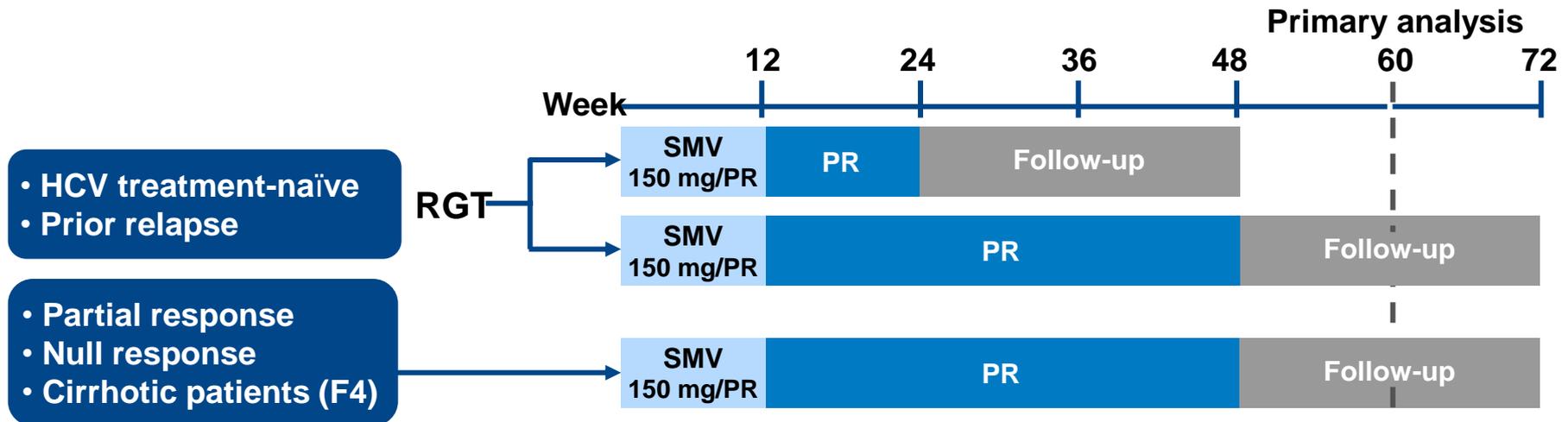
Results & conclusions from interim analysis



The interim analysis suggests good efficacy and safety of simeprevir also in patients with HCV genotype 4 infection

HCV/HIV co-infected patients

Study design



- N=106
- Primary endpoints: SVR12, safety and tolerability

In the US 25 % of HIV patients are coinfectd with HCV

HCV/HIV co-infected patients

Results & conclusions

- SMV QD + PR for 12 weeks led to high rates of SVR12 regardless of prior HCV treatment response
 - **Treatment-naïve** **79%**
 - **Prior relapsers** **87%**
 - **Prior partial responders** **70%**
 - **Prior null responders** **57%**
- SVR12 rates were high, regardless of baseline METAVIR fibrosis score
 - **64% SVR12 in F3-4 patients**
- **87% SVR12 with 24 weeks** therapy (89% of eligible patients)
- Well tolerated with a safety profile similar to that observed in mono-infected patients

Simeprevir was safe and efficacious in a broad population of HCV-HIV co-infected patients

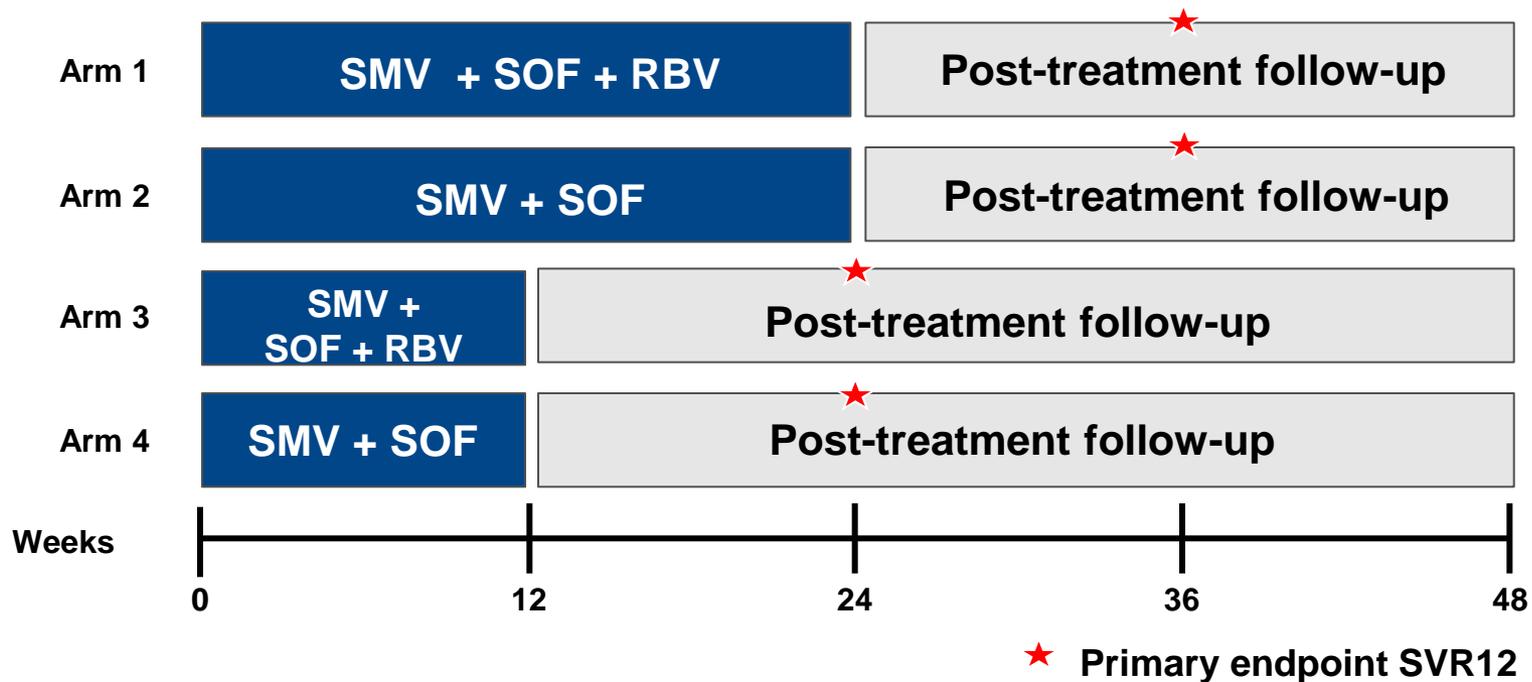


Simeprevir

- All oral interferon-free combination update

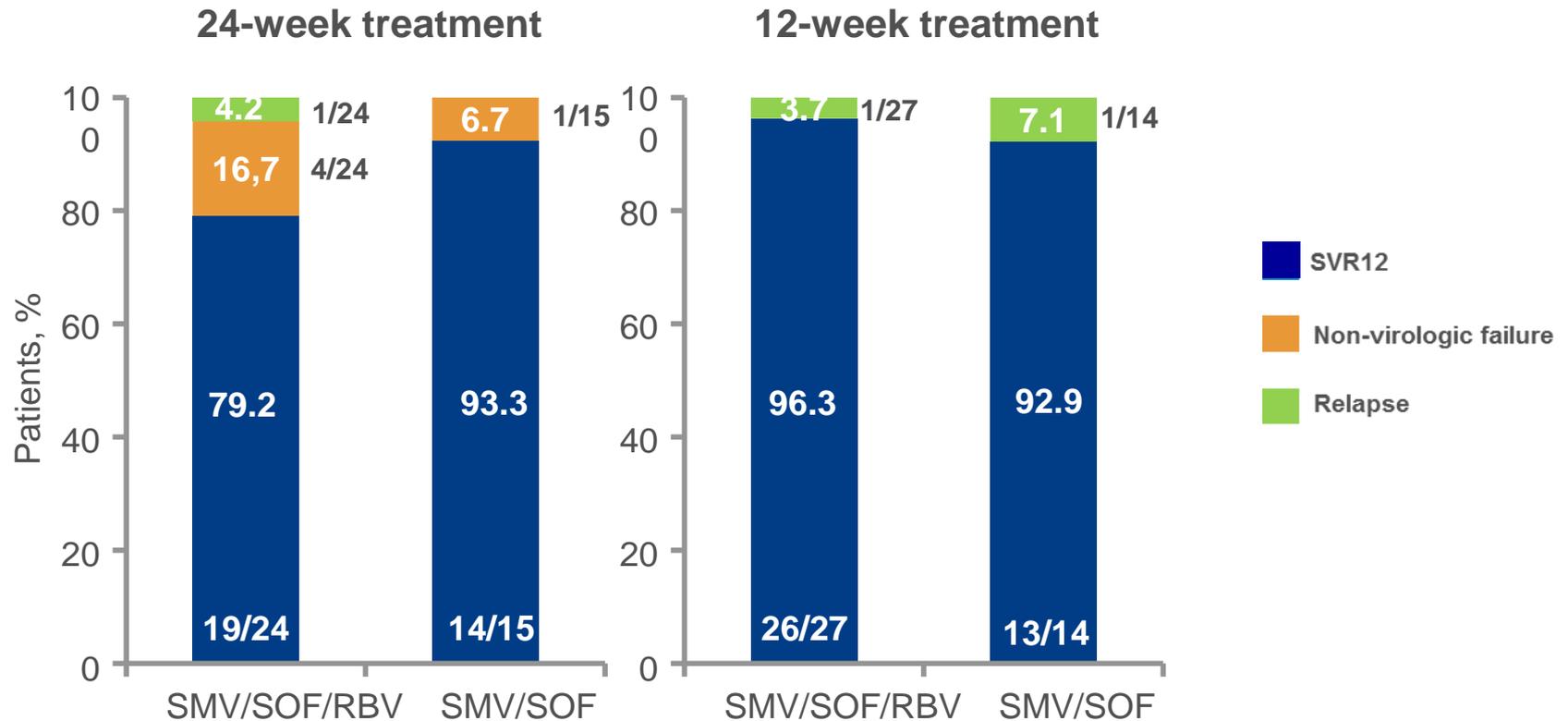
COSMOS study

– interim results presented at AASLD Nov 2013



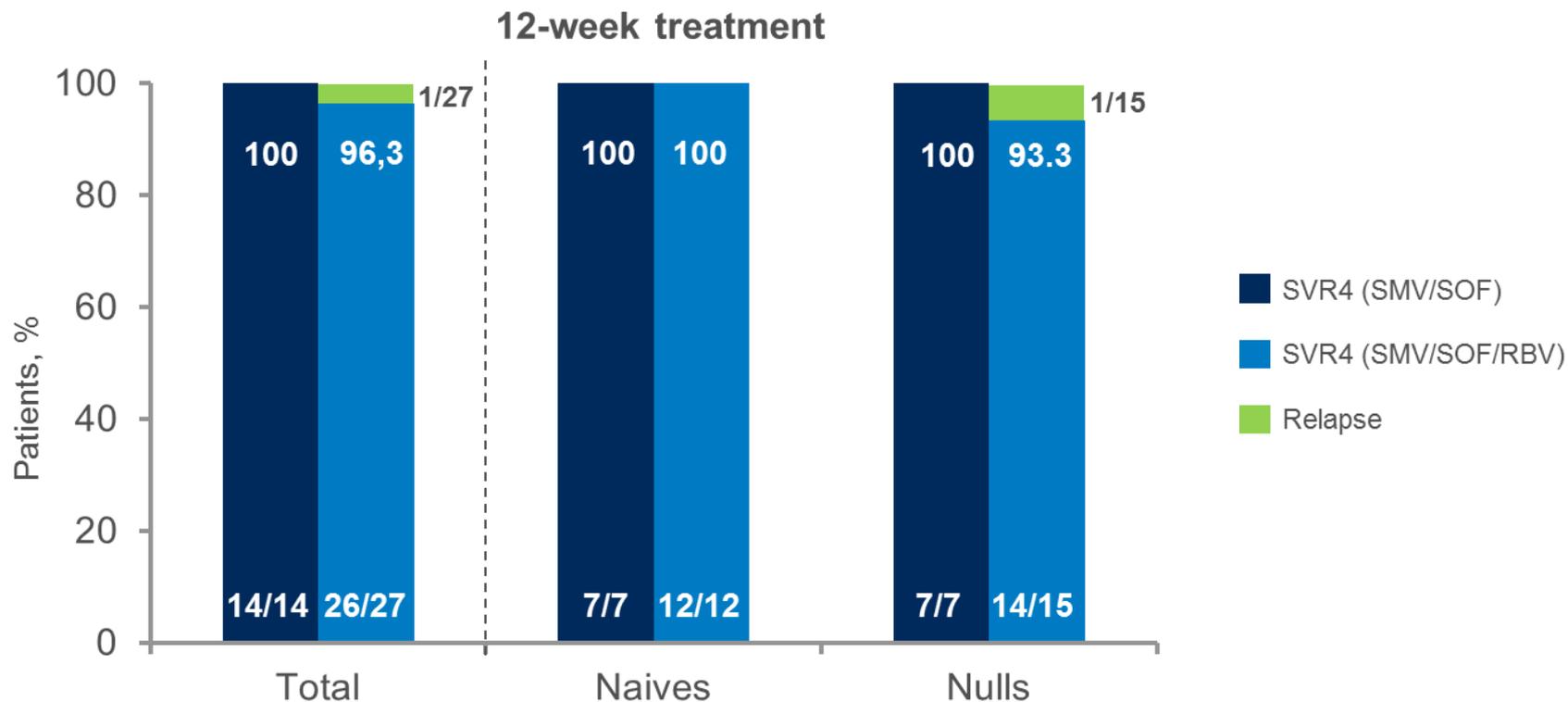
- Cohort 1: n=80, nulls, F0-F2 - SVR12 data available
- Cohort 2: n=87, naives and nulls, F3-F4 - SVR4 data available
- SMV 150 mg QD + SOF 400 mg QD +/- RBV

Cohort 1: Prior null responders (METAVIR F0-F2) SVR12 ITT population



High efficacy in prior null responder HCV patients also without ribavirin

Cohort 2: Naïve and prior null responders (METAVIR F3-F4) SVR4* interim analysis, ITT population



*SVR4 data was only available for 12-week arms at time of interim analysis cut-off

High efficacy in hardest to cure HCV patients also without ribavirin

Data driven approach to exploring different interferon free simeprevir combinations (with or w/o ribavirin)

Simeprevir given in combination with a:	Investigational compound	Study information
Nucleotide	Sofosbuvir	COSMOS : Cohort A: nulls ; Cohort B: nulls + naives (F3&4)
	VX-135	DDI finished, Next step to start Phase II
NS5A inhibitor	Daclatasvir	Naives and nulls, F0-F4
	Samatasvir	HELIX-1: Phase II on-going (Gt1b and 4)
NS5A inhibitor + NNI	TMC647055 + Samatasvir	HELIX-2 to start before YE-13
	TMC647055 + JNJ-56914845	Phase II, in planning phase
+ NNI	TMC647055	Naives/relapser and nulls

NNI: non-nucleoside polymerase inhibitor

Q / A

www.medivir.com

Ticker: MVIR
Exchange: OMX / NASDAQ

**For more information please contact
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