

# **MDIA5007**

AYX]U'9h\]Wg'UbX'@Uk

HYfa 'C bY''##'&\$&%

GWCC``CZhAY5fhg'UbX'AYXJU`##'IBGK `5fhg'UbX'GcWJU`GVJYbWYg

# 7 ci fgY<sup>·</sup>Cj Yfj ]Yk

### GHJZZ7cbHJWh78YHJ]`g

#### 7 cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
?Yff]Y`8Uj]Yg	_"XUj ]Yg4 i bgk "YXi "Ui	H65	FK '' %%7	

#### GWXcc``7cbHJWhi=bZcfaUh]cb

GW&cc``cZh\Y`5fhg`UbX`AYX]U

Fcca '' &&ž@Yj Y``' žFcVYfhK YVghYf6i ]`X]b[`f] %(Ł

D\cbY.`f\$&Ł`-`,)`(,)\*

9a U]`. <u>gUa 4 i bgk "YXi "Ui</u>

K YVg]hY. <u>k k k "Ufhg"i bgk "YXi "Ui #gUa</u>

H\Y'GW\cc``cZh\Y'5fhg'UbX'AYX]U'k ci `X``]\_Y'hc'FYgdYWMZ ``m5W\_bck `YX[Y'h\Y'HfUX]h]cbU``7i ghcX]Ubgž h\Y'6YXY[U``fPYbg]b[hcb'WUa di głž; UX][U``f7]hm'UbX'5fh/ '8Yg][b'7Ua di gYgŁ'UbX'h\Y'B[i bbUk U` dYcd'Y'fБi ghfU`]Ub'8YZYbWY': cfWY'5WUXYa m']b'7UbVYffUŁ'cZh\Y``UbXg'k\YfY'YUW\'WUa di g'cZI\_BGK ']g `cWUhYX"

# 7ci fgY<sup>·</sup>8YHJ]`g

### 7 fYX]hDc]bhg\*\*\*

### Gi a a UfmcZh\Y'7ci fgY

### 7cifgY`@YUfb]b[`CihWcaYg

- %" =XYbhJZm\_Ym`Y[ U``UbX`Yh\]WU``]ggi Yg`fY`Yj Ubh'hc`h\Y`a YX]U
- &" 7 f]h]WU``mUbU`mgY`UbX`Udd`mYh`]WU``UbX``Y[U``ZfUa Yk cf\_g`fY`Yj Ubhhc`a YX]U`]b`5i ghfU`]Ub`UbX ]bhYfbUh]cbU``WcbhYI hg
- '" +bWcfdcfUHY'YH\]WU``dfUWf]WY`]bhc'H\Y]f'k cf\_`]b'H\Y`a YX]U

("8YjY`cd`h\Y]f`ckb`ZfUaYkcf\_g`Zcf`Wcbh]biYX``YUfb]b[`UVcihaYX]U``Uk`UbX`Yh\]Wg

### HYUW ]b[ GhfUhy[ ]Yg

5ggYgga Ybh

HU\_Y`h\Y`Zcfa`cZUb`UVghfUWhfbjiaaUfmŁUhih\Y`hcd`cZmcif`YggUmik\Yb`giVa]hfjb[žUbX`]g`a]b]aia`%)\$ k cfXgž'aUI]aia`'\$\$`k cfXg"`H\Y`hchU``YggUmi]bWiX]b[`dfcdcgU``#UVghfUWhi]g`&)\$\$`k cfXg`a]b]aia/ &,\$\$`k cfXg`aUI"

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h\fci [ \`Hi fb]h]b`UbX`ghi XYbhg`Xc`bchgYY`Hi fb]h]b g]a ]`Uf]hmifYdcfhg"

5ggYgga Ybh'&. + D!WUgg'hYgh

GHJfhXUHY.Bch5dd`]WUV`Y

@Yb[h\.`AUI]aia`hihcf]U``h]aY`f&")`\cifgŁ

#### 8YHJ]`g.

=b!WUgg`k f]hhYb`YI YfW]gY"

J YfVU``UbX`k f]₩Yb`ZYYXVUW\_`fJ ]U`a Uf\_]b[ `fi Vf]₩£k ]```VY`dfcj ]XYX"

#### 5XX]h]cbU``XYhJ]`g.

H\Y`HYghk]``VY`U`kf]HYb`fYgdcbgY`hc`U`gYheiYgh]cb"`CdYb`Vcc\_žVi ha i ghVY`gi Va]HYX`Vmh\Y`YbX`cZh\Y hihcf]U`"

Hi fb]h]b'gYh]b[.`H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'h\fci [\`Hi fb]h]b'UbX'ghi XYbhg'Xc'bchgYY'Hi fb]h]b g]a ]`Uf]hmifYdcfhg"

#### 5ggYgga Ybh'. '7ca a YbhD]YVW 'UbX'7`Ugg'DfYgYbHUh]cb

@Yb[h\.'%) \$\$`k cfXg`ffYdcfn#YggUmŁd`i g`H<F99`a]bi hY`j]XYc`fYd`UWjb[`h\Y`]b`WUgg`dfYgYbhUhjcb

#### 8YHJ]`g.

H\]gʻdcfhZc`]c`]bjc`jYgʻUʻ%)\$\$`kcfX`kf]hHYbʻfYdcfhicbʻUʻ\_YmUgdYWficZaYX]UʻYh\]WgʻUbX``Ukžid`igʻUʻHYba]biHYʻcfU``dfYgYbhUh]cb"

JYfVU``ZYXVUW\_'dfcj]XYX'Zcf'dfYgYbHJHcbž'kf]HYb'ZYXVUW\_'dfcj]XYX'Zcf'WcaaYbhd]YWY"

#### 5XX]h]cbU``XYHJ]`g.

F9D@57=B; 'h\Y`cfU``WUgg`dfYgYbHJh]cb.`U`h\fYY`a]bi hY`j]XYc`hc`VY`gi Va]hYX`cb`]bY`fcbY`Xf]jY`cf AccX`Y`XfcdVcl`!`gYY`AccX`Y`Zcf`acfY`]bZcŁ"`H\Y`j]XYc`]g`hYb`dYfW'bhcZmci f`acbh\"`H\]g`]g`hYb`dYfW'bh cZmci f`aUf\_`Zcf`h\]g`UggYggaYbh'`H\Y`j]XYc`k]```WfYUh]jY`mUbX`Wf]h]WU``mX]gW gg`h\Y`W\cgYb`hcd]W

5XX]h]cbU``mžU`fYdcfh'fYggUmbc"'%'E`]g'' \$`dYfWbhcZh\Y`hchU``a Uf\_`Zcf'h\]g'UggYgga Ybh''H\Y`fYdcfhž'cb'h\Y

gUa Y 'hcd]WUg 'h, Y j ]XYc" 'fYei ]fYg UWUXYa ]WfYZYfYbWjb[ 'UbX Wcbj Ybhjcbg".

6ch\`h\Yj]XYc`UbX`fYdcfhiflYggUmBc"'%≿UfY`XiY`Uhh\Y`gUaY`h]aY"

Gi Va ]gg]cb bchYg. Xi Y Uhih Y gUa Y h]a Y"

## 5 HHYbXUbWY FYei ]fYa Ybhg

GhiXYbhg'UfY'fYei]fYX'hc'UhhYbX', \$`i 'cZWUgg"

# 7 ci fgY GWX YXi `Y

#### J]Yk WUgg ha YHJV Y

### H]a YHJV`Y'

8 UHY	HmdY	7 c bhy bh	
K YY_`%`%) ': YVfi Ufm'!`%-	GYa ]bUf	A]g]bZcfaUh]cbUbX8]g]bZcfaUh]cb	
: YVfi Ufm		=bhfcXiWh]cbˈhcˈh∖YˈWcifgY"	
		FYUX]b[g	
		FYZYfihciAccX`Y`UbXih\Y`gYW]cbiffiYUX]b[gfifh\Y [fYYbi][gUki]WebEZZcfUVW¥ggihcifYUX]b[g`Zcfih\]g kYY_`UbX`UXX]h]cbU``fYUX]b[gihcih\Y`hYIhVcc_`]b Z hifY`kYY_g"`Nci`XcibchbYYX'h\Y`hYIhVcc_`Zcf kYY_`%" D`YUgY`YbgifY`mci`\UjY`UVW¥ggihcih\Y hYIhVcc`DYUfgcbZA"`UbX`Dc`XYbZA"`&\$% `FZW <agd`s`{efie 9g[vwfa?vw[s="">Si`H`GmXbYmž57'T UjU]`UV`Y`Uhh\Y`IBGK`Vcc_g\cd"`Ch\Yf`fYUX]b[g UfY`UjU]`UV`Y`J]U`AccX`Y''@cc_`Zcfih\Y`[fYYb`][gUk ]Web`ibXYf`ffiYUX]b[gfi</agd`s`{efie>	
		`5`Wcdmik]``U`gc`VY`UjU]`UV`Y`]b`H\Y``]VfUfmicb`\][\ XYaUbX"`D`YUgY`YaU]``aY`]Zmci`UfY`\Uj]b[ X]ZJW``H]Yg`UVWYgg]b[`U`HYIHVcc_"	
K YY_`&.`&&`: YVfi Ufm!`&* : YVfi Ufm	GYa ]bUf	<yu`h\``uk`ubx`yh\]wg`]b`h\y`wcbhya dcfufm<br="">a YX]U`Ybj ]fcba Ybh</yu`h\``uk`ubx`yh\]wg`]b`h\y`wcbhya>	
		FYZYfihciAccX`YiZcfifYUX]b[g"	
k yy_''.`%a ufwx'!') A ufwx	GYa ]bUf	FYdcfh]b[`\UhY`]b`h\Y`WcbhYadcfUfmaYX]U Ybj]fcbaYbh'	
		FYZYfihciAccX`YiZcfiFYUX]b[g"``	
		BchY.ˈmciːˈbYYXˈh∖YˈhYI hVcc_ʻfDYUfgcbʻUbX Dc`XYbʻ&\$% ŁVmih∖]gʻk YY_"	
K_YY_`(.`, `A_UfVX`!`%& A_UfVX	GYa ]bUf	7cbhYa dh']b'U'[`cVU`a YX]U'Ybj ]fcba Ybh	
		HYI hVcc_`fYei ]fYX`!`gYY`A ccX`Y"	
		GYY`A ccX`Y`Zcf`UXX]h]cbU``fYUX]b[ g"	
K_YY_`).`%)`A_UfVX`!`%-	GYa ]bUf	=bhY``YWhi U``DfcdYfhm``Uk žbYk gʻUbX`WfYUh]j Y	

A UfVX		a YX]U HYI hVcc_`fYei ]fYX/`gYY`A ccX`Y"`5`gc`gYY A ccX`Y`Zcf`Zi fh\Yf`cb`]bY`fYUX]b[ g"	
K_YY_`*.`&&`A_UfVX`!`&* A_UfVX	F YUX]b[	FYUX]b[`KYY_"	
K_YY_`+.`&-`A_UfVX`!`& 5df]`	5ggYgga Ybh	=b`WUgg`kf]HYb`HYgh`!`gYY`AccX`Y`Zcf`XYHJ]`g"`	
K YY_', .') '5df]`'!'- '5df]`	5ggYgga Ybh	8iYihoʻh\YidiV`]W\c`]XUmcZ9UghYf`AcbXUmžd`YUgY igYih\]gihjaYihoʻgiVa]himcifij]XYcidfYgYbhUhjobʻUbX fYdcfhflYggUmbc"`%±`VmAcbXUmA]Xb][\hi)`5df]`" D`YUgYigiVa]hVYZcfY`]Zmci`UfY`[c]b[`UkUmiZcf 9UghYf"` GYY`AccX`Y`Zcf`]bghfiWhjobg"	
K_YY_``%&`5df]``!`%* 5df]`	GYa ]bUf	Df]j UWm]b`WcbhYa dcfUfma YX]U' F YUX]b[ g`j ]U'HYI hVcc_'UbX`A ccX`Y	
K_YY_`%\$.`%_`5df]``!`&' 5df]`	5ggYgga Ybh	9ggUmik cf_g\cdg	

## FYgci fWg

### DfYgWf]VYX F Ygci fWyg

H\Y'WcifgY'HYIH/cc\_']g'DYUfgcb'A ž/ 'Dc`XYbžA '&\$% 'FZW<agd S'[efie 9g[VWfa?Ww[S>Si 1'5'UbX'I ž GmXbYm"

 $H \ Y^{\ }VfUfm \ Ug^{\ }U^{\ }Wc \ dm c \ b^{\ }< ][\ \ 8\ Ya \ Ub \ X^{\ }i \ g \ Y''$ 

5`gc'gYY'@]VfUfmFYUX]b[g'cb'AccX`Yž'UWWggYX'j]U'AccX`Y"

H\Y``]VfUfmicZZYfg`UWWYgg`hc`aU]b`bYkg`g]hYg`j]U`giVgWf]dh]cb`cf`ZUWf]jU"Wca

#### FYWca a YbXYX FYgci fWYg

H\Y`WcifgY`fYUX]b[g`U`gc`\UjY`fYWcaaYbXYX`fYUX]b[g"`H\YgY`UfY`dUfh]W`Uf`migYZ``]Zmci`UfY ZcW`gg]b[`cb`U`kYY\_fg`hcd]WUg`mcif`dfYgYbhUh]cb`j]XYc`UbX`fYdcfhifYggUmbc"`%Łž`UbX`mcif`aU\*cf`YggUm fgYhhcd]WeiYgh]cbŁ"

H\Y`I\_BGK\_``]VfUfmcZZYfg`ZYY`UWWYgg`hc`fYWYbha\_U'cf`a\_YX]U`]b`df]bhUbX`X][\_]hU``YX]h]cbg"``5fW\]j Yg`UfY Uj U]`UV`Y`j\_]U`h\Y`ZJWAj U"Wca\_XUhUVUgY"

€bh/fbUhjcbU``Wcbh/I hUbX`Wca dUfjgcbg`cZa YX]U``Uk `UbX`Yh\]Wg`UfY`YbWci fU[ YX"`

Zmci 'UfY'\Uj]b[ 'X]Z]W `hmUWWYgg]b[ 'UbmfYgci fWYgžd`YUgY'gYY'mci f`h hcf`cf`h\Y'Wcbj Ybcf`f? Yff]Y 8Uj]YgŁ"

IBGK Giddcfh <u>K flhb[</u>

<u>9b[`]g\`@Ub[iU[Y`UbX`7cbjYfgUh]cb`G\_]``g</u>

<u>Ghi XYbhi<YU`h\`UbX`K\_Y```6Y]b[</u>

#### 7 ci fgY 9j U`i Uh]cb UbX 8Yj Y`cda Ybh

H\Y'Wci fgY']g'Yj U`i UhYX'j ]U`A m'91 dYf]YbWY'Uh'NY'YbX'cZhf]a YghYf"'K YfjiY'fYXYg][ bYX'N\Y'Wci fgY'hc'Z]h k ]N 'N Y'bYk 'gW\YXi `]b[ 'dUhhYfb'UbX'hc'fYZYWnW'ffYbhXYVUhYg']b'a YX]U'UbX'YN ]Wg'k ]N 'N YcfYh]WU` ZfUa Yk cf\_g"

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

# Hi fb]h]b Gi Va ]gg]cb

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb[ 'hc'gi Va ]hmci f'Ugg][ ba YbhN fci [ \ 'Hi fb]hjbž'd'YUgY hY'Yd\cbY'9I hYfbU'`Gi ddcfhcb'-', ) '' ' '%cf'Ya U]`'h\Ya 'cb'YI hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh \ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY\_XUmg'UbX'-.\$\$Ua '-') .\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUfŁ''Zmci UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h. 'Hi fb]hjb'mci 'a UmUdd`mZcf'Ub'YI hYbg]cbžVi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I hYfbU'`Gi ddcfhfU'cb[ 'k ]h. 'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁ'hc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhimci f'YI hYbg]cb'Udd`]WUh]cb'''Zmci 'Ya U]`'9I hYfbU'`Gi ddcfhimci 'k ]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW\_Yhbi a VYfž'Vi h]Zmci 'hY`Yd\cbY'mci 'k ]``bYYX'hc'gdYWJZWU``mUg\_'Zcf'cbY" Hi fb]hjb'U`gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUhi g'cb'Hk ]hYf"

; YbYfU``mž'UggYgga YbhHUg\_g`a i ghVY`gi Va ]HYX`Y`YWfcb]WU``mj ]U`Y]H\Yf`Hi fb]h]b`cf`U`A ccX`Y Ugg][ ba YbH'`=b`]bgHUbWfg`k \YfY`H\]g`]g`bchdcgg]V`Yž`]hk ]```VY`gHUHYX`cb`mci f`Wci fgY**'**g`A ccX`Y`g]HY`k ]H\ U`HYfbUh]j Y`gi Va ]gg]cb`XYHU]`g"

: cf`]bZcfa Uh]cb`cb`\ck `hc`gi Va ]hUgg][ ba Ybhg`cb`]bY`j ]U`A ccX`Y.`\hhdg.##gh XYbh'i bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccX`Y

# 5WUXYa ]W<cbYghmUbX`D`U[ ]Uf]ga

D`U[]Uf]ga `]g`i g]b[`f\Y`k cfXg`cf`]XYUg`cZcf\Yfg`UbX`dfYgYbh]b[`f\Ya `Ug`mci f`ck b"`=fiWUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUHY`W\YUh]b[`fc`UWN]XYbhU``mWcdm]b[`Zfca `U`gci fW'k]h\ci hUW\_bck `YX[Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck ]b[ 'WUhY[cf]Yg.

7 cdm]b[. `i g]b[ `h\Y`gUa Y`cf`j Yfmig]a ]`Uf`k cfXg`hc`h\Y`cf][ ]bU``hYI h`cf`]XYU`k ]h\ci h`UW\_bck`YX[ ]b[ `h\Y

- i bXYfgHJbX'mci f`f][\hg`UbX'fYgdcbg]V]`]h]Yg`Ug`U`ghi XYbh'Uh'I BGK
- VY Uk UfY cZdU[]Uf]ga žWcdmf][ \lbzi BGK Ghi XYbh7 cXY cZ7 cbXi Wh0bX 5WW/dhUVY I gY cZ I BGK '=7 H'F Ygci fW/g'Dc']Wh
- VY Uk UfY cZh Y gHUbXUfXg cZVY Uj ]ci f YI dYWYX cZYj YfmcbY ]b h Y I BGK Wca a i b]m
- `cWUHY'gYfj ]WYg'UbX']bZcfa UHjcb'UVci hI BGK 'UbX'I BGK '@VfUfm

Gca YicZh\YgYiUfYUgik]``VYiZJa]`]Ufihcimci žich\Yfgik]``VYibYk"'; U]b]b[`Uigc`]Xii bXYfgHUbX]b[`cZU```h\Y fY`UhYXiUgdYWfgicZ9@=G9ik]``\Y`dimci ia U\_Yih\Yia cghicZmci fighi X]YgiUhil BGK"' <u>\hhd.#qi VYWfii]XYg"`]VfUfm"i bgk"YXi"Ui #Y`]qY#UVci hY`]qY</u>