



MUSC2803

7 fYUh]j Y`Gci bX`HYW\bc`c []Yg

HYfa `H\fYY`##`&\$%-

7 ci fgY`Cj Yfj JYk

·GHUZZ7cbhUWih8YHUJ`g`

·7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUjcb	D\cbY
5XUa `<i`VYfh	U"i`VYfh4 i bgk "YXi "Ui	8i f]b[`Wcbgi`hUjcb `ci fg`cf`Vm Uddc]bha Ybh	%, `F cVYfh K YVghYf	-',)`%%%)

·Hi hcfj`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUjcb	D\cbY
<YUhYf`7cbhUbh	`"WcbhUbh4 i bgk "YXi "Ui	Hi hcf]U`	%(\$`F cVYfh K YVghYf	B #5
Hca `D\`]`dgc b	g"d\`]`]dgc b4 i bgk "YXi "Ui	Hi hcf]U`	%(\$`F cVYfh K YVghYf	B #5
<Ua]g\`8]l cb	`Ua]g\`X]l cb4 i bgk "YXi "Ui	Hi hcf]U`	%(\$`F cVYfh K YVghYf	B #5

GWcc`7cbhUWih`Zcfa Uhjcb

Fcca "`%&Z`Yj Y`` `F cVYfhK YVghYf`6i]X]b[

D\cbY.`f\$&L`-',) `(,)`*

9a Uj`. [gUa 4 i bgk "YXi "Ui](#)

K YVg]hY. [\hfdg.#gUa "Ufng"i bgk "YXi "Ui](#)

H\Y`GWcc`cZhY`5fng`UbX`A YX]U`k ci `X`_]Y`h`F YgdYWz`m5W`bck`YX[Y`hY`HfUX]hcbU`7i`g`hX]Ubgz`hY`6YXY[U`fP`Ybg]b[hcb`WJa di gLz; UX][U`f7]mUbX`5fhi`8Yg][b`7 Ua di gYgE`UbX`hY`B [i bbUk U`dYcd`Y`f5i`ghU]Ub`8YZ`bW` : cfW`5WUXYa m]b`7 UbVYffU`E`cZhY`UbXg`k`YfY`YUW`WJa di g`cZI`BGK`]g`cWU`hY`X"

7ci fgY'8YHJ>`g

7fYX]hDc]bqg`*`

Gi a a UfmicZ\Y'7ci fgY

Gi VYWh5fYU.`? ge[U

H\]g'Wci fgY'dfcj]XYg'Ub`]bfcXi W]cb'hc'gci bX'HYWbc'c[mUbX`]hg'WYUhj Y'Udd`]WU]cbg"Mcic`k]`Yj U'i UHY
U'fUb[Y'cZWcbW'dh U'žgmi]gh]WUbX'UYgh\Yh]WUddfcUWYg'hc'gci bX!a U_]b[ž]bWi X]b['h\Y'WcbW'dhcZ
gci bXgWUdYžUbX'h\Y'fY'U]cbg\]d'VYtk YYb'gci bX'UbX'Z'a "

Mcic`k]` [U]b'Zci bXU]cbU'HYWb]WU'g_]`g']b'Ui X]c'HYWbc'c[mž'Zca'`dcfUUV'Y'X][]HU'fYWcfX]b['h\fcic [\ 'hc
gYei YbW]b[žgUa d`]b[ž'a]l]b[žYX]h]b['UbX'dcgHdfcXi W]cb'k]h\]b'h\Y'8][]HU'5i X]c'K'cf_gfU]cb'fB5K'Ł"
Dfc'YWg'UfY'ghfi W]i fYX'Ufci bX'WYU]hj Y'Udd`]WU]cbg'cZ\YgY'HYWbc'c[]Yg'"H\Y'Wci fgY'Zcgh'fg'UbX
YbWci fU[Yg'Wc'`UVcfU]cbg'VYtk YYb'GWYyb'UbX'Gci bX'DfcXi W]cb'UbX'Gcb]W5fmg#A i g]Wgri XYbqg"

7ci fgY'@YUfb]b[`Ci hWca Yg

%` 7fYUHY'cf][]bU'gci bX'UbX'a i g]Wi g]b['X][]HU'HYWbc'c[]Yg']b'U'8][]HU'5i X]c'K'cf_gfU]cb
Ybj]fcba Ybh'

&" 5dd'mZci bXU]cbU'HYWb]WU'g_]`g']b'fYWcfX]b[žYX]h]b['UbX'a]l]b['gci bX'hc'WYU]hj Y'dfc'YWg"
' " 8Ya'cbghfUHY'UbU'm]WU'žW]h]WU'UbX'`gh]b]b['g_]`g"

HYUWX]b['GhfUHY[]Yg'

F U]cbU'Y'Zcf'h\Y']bWi g]cb'cZWcbHYbhUbX'HYUWX]b['UddfcUWX

Cb`]bY`YWh'fYg'UbX'W'fUHYX`]b_g'dfYgYbhWcfY'WcbW'dfg'cZ\Y'Wci fgY'"5'k'YY_m]tk'c!\ci'f'k'cf_g\cd
]bfcXi W]g'dfUW]WU'HYWb]ei Yg'UbX'Udd`]WU]cbg'cZgci bX'fYWcfX]b[.]bWi X]b['gUa d`]b[žgYei YbW]b[ž
YX]h]b[ž'a]l]b[ž'UbX'dcgHdfcXi W]cb'i g]b['U'8][]HU'5i X]c'K'cf_gfU]cb'fB5K'Ł"

'HYUWX]b['ghfUHY[]Yg'

'C b`]bY`YWh'fYg'UbX'YI d'cfU]cbg']bfcXi W]_YmWcbW'dhg'gi W]Ug' h\Y'Z' bXUa YbHU'g'cZgci bX'XYg][b'UbX
h\Y'df]bW]d'Yg'cZX][]HU'HYWbc'c[]Yg/Yj U'i U]cb'cZ_YmY'YWfcb]W]Y'YWfUWci gh]Wa i g]W]XYUg/W]b]fU'
h\Ya Yg'UbX']ggi Yg'Ufci bX'a U_]b['gci bX'Zcf'a cj]b['ja U[Y"

'5'tk'c!\ci'f'k'cf_g\cd'dfcj]XYg'dfUW]WU'`h'HY'U[Y'cb!!UbX'YI dYf]YbW'k]h\!!gcZk UfY'Udd`]WU]cbgžUg'k Y`

5ggYgga Ybh

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y'8UHŸ	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
F Ya]l`	' \$l	% #/\$#&\$%- '\$) . \$\$'DA	%ž&
F YgYUfW`dUdYf`	&) l	\$/#/#/#&\$%- '\$) . \$\$'DA	'
7 fYUhj Y'Gci bX'Dfc YVh	() l	&&#/#/#&\$%- '\$) . \$\$'DA	%ž&ž

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`F Ya]l

GHUfhXUHŸ.`

@Yb[h. `&! (`a]bg

8YHJ]`g. `&! (`a]bg"K f]hYb`ZYXVUW_`Zca `]bgfi Wcf"

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

GYY`a ccXY`Zcf`XYHJ]`g"

5ggYgga Ybh&`F YgYUfW`dUdYf`

GHUfhXUHŸ.`

@Yb[h. `%) \$\$`k cfXg

8YHJ]`g. `%) \$\$`k cfXg" : YYXVUW_`j]U`@A G"

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

GYY`a ccXY`Zcf`XYHJ]`g"

5ggYgga Ybh' . `7 fYUhj Y'Gci bX'Dfc YVh

GHUfhXUHŸ.`

@Yb[h. ``Yb[h `cZgi dd`]YX`Ub]a Uh]cb

8YHJ]`g. `%d' `a]bg"GY`ZUggYgga YbhUbX`k f]hYb`ZYXVUW_`dfcj]XYX"

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

GYY`a ccXY`Zcf`XYHJ]`g"

5 hYbXUbW F Yei]fYa YbHg

Gh XYbHg UfY gHfcb[mYbWci fU[YX'hc UHh'bx'U''WUggYg'UbX'fYj]Yk ''YWh fY'fYWcfX]b[g"

7 ci fgY'GWXYXi `Y

[J \]Yk WUgg'ha YhUVY](#)

H]a YhUV`Y`

8UhY	HmdY	7cbhYbh
<p>K YY_%`%*`GYdhYa VYf! &\$`GYdhYa VYf</p>	<p>Hcd]W</p>	<p>K Y`Wca Y`hc`7fYUhj] Y`Gci bX`HYWbc`c[]Yg`</p> <p>H\Y`YWh fY`WcbhYbhZcf`h]g`Wci fgY`]g`cb`]bY`"H\]g`]g` U`ZYI]V`Y`k UmcZ`YUfb]b[žUbX`g\ci `X`U`ck`Zcf`U` a`cfY`YI d`cfUhc`fmUddfcUW`hc`h`Y`a`Uhf]U`"D`YUgY` `c[`]b`hc`A`ccX`Y`k`YfY`h`YfY`]g`]bHfcXi`W]cb`hc`h`Y` Wci fgY`</p> <p>..</p> <p>H\Y`Gci bX`CV`YWh`UbX`h`Y`Gci bXgWUdY</p> <p>H\Y`cb`]bY`UW]j`]h]Yg`Zcf`k`YY_%`k`]``\Y`d`i`g`hc`h`]b`_ UVci h`h`Y`k`cfX`cZgci bX`Ufci bX`i`gž`UbX`YI d`cfY`]ghYb]b[`Ug`h`Y`Zci bXU]cb`Zcf`WfYUhj] Y`a`i`g]W`</p>

		<p>a i g]W\h UhW\B [c'cb'Zcf'mYUfg"</p> <p>ᄆ'hY'h hcf]U'mci fi'YI d'cfY'hYgY'jXYUg'i g]b['hcc`g gi W'Ug'hja Y'ghfYhW]b[žY'Ugh]WUi X]cžfYj YfVYfUh]cb UbX'[fUbi 'Uf'gmbhYg]g"</p> <p>.</p>
<p>K YY_". "\$GYdhYa VYf! ('C WtcVYf</p>		<p>GmbhYg]g'UbX'5'[cf]h a g</p> <p>H\]g'k YY_`k Y'YI d'cfY'a cXY'g'cZgci bX'UbX UWci gh]Vg'h.Uh'YX'hc'gmbhYg]gž'UbX'Wcbg]XYf'gca Y cZhY'k Umg'gmbhYg]gYfg'\Uj Y'VYYb'i gYX'jb Wca dcg]h]cb"</p> <p>ᄆ'hY'h hcf]U'žk Yfi'ghUfhUXX]b['j Uf]ci g'hmdYg'cZ gmbhYg]g'hc'ci f'UddfcUWYg'hc'Wca dcg]h]cb"McI fi U'gc'YUfb'\ck'hc'i gY'A ᄆ=]b'Dfc'Hcc`g"</p> <p>..</p>
<p>K YY_(.'+'C WtcVYf!'%% C WtcVYf</p>	<p>Hcd]W</p>	<p>H\Y'5fhcZA]I]b[</p> <p>ᄆ'dfYdUfU]cb'Zcf'hY'fYa]I 'Ugg][ba Yb]ž'k Yfi'[c XYYdYf'j]bhc'hY'YI d'cfU]cb'cZhY'Ufhia]I]b[ž YI d'cf]b['hYWb]ei Yg'Zcf'Vch'a i g]WUbx'gci bX XYg][b"</p> <p>ᄆ'hY'h hcf]U'žmci fi'YI d'cfY'gca Y'ž bXUa YbhU'g'cZ a]I]b[ž]bW]X]b['Wca dfYgg]cbž'Yei U'gU]cb'UbX ci hdi hZcfa Uhg"</p> <p>.</p>
<p>K YY_)'.%('C WtcVYf!'% C WtcVYf</p>	<p>Gh X]c</p>	<p>A]I]b['K YY_</p> <p>H\YfY'UfY'bc'h hcf]U'g'cf'YW] fYg'h]g'k YY_"D'YUgY a U_Y'i gY'cZhY'UVg'hc'k cf_'cb'mci f'fYa]I "</p> <p>..</p>
<p>K YY_*'.&%C WtcVYf!'& C WtcVYf</p>	<p>Hcd]W</p>	<p>GmbWfcb]g]b['Gci bX'UbX'ᄆ U[Y</p> <p>Gca Yh]b['dck Yfž '\UddYbg'k \Yb'gci bX'UbX a cj]b['ja U[Y'Wca Y'hc[YhYf'`H\Y'k YY_`k Y'YI d'cfY k Umg]b'k \]W'k Y'W]b'ghUfh'hc'i bXYfg]UbX'UbX'k cf_ k]h'h]g'fY'U]cbg\]d'h]fci ['\a i g]W]]XYcg'UbX j]XYc'Ufh'C j Yf'hY'bYI hZk'k YY_g'k Yfi'YI d'cfY h]g'a cfY'gdYW]W]m'h]fci ['\W]gY'gh X]Yg'Zca W]bYa Už[Ua Yg'UbX'Ub]a U]cb"</p> <p>ᄆ'hY'h hcf]U'mci fi'YI dYf]a Ybhk]h'Wca V]b]b[]a U[Y'UbX'gci bX'k]h]b'Dfc'Hcc`g"</p>

<p>K YY_+. & 'C Wc VYf! % Bcj Ya VYf</p>	<p>Hcd]W</p>	<p>7 UgY'Gh X]Yg. 'Gci bX'8Yg][b'Zcf'7]bYa U H\]g'k YY_'k Y'YI d'cfY'gca Y'UddfcUWXYg'hc Z]a gVcf]b[" '5h\]g'ghU[Yžmci 'g\ci 'X'\Uj Y'Yj Yfml]b[mci 'bYYX'hc'ghUfhk cf_]b['cb'mci f'Z]bU'Wca dcg]hcb]b'h\Y'hi hcf]U'g'cj Yf'h\Y'bYI hZ'k 'k YY_g"</p>
<p>K YY_-. (' Bcj Ya VYf! ; Bcj Ya VYf</p>	<p>Hcd]W</p>	<p>7 UgY'Gh X]Yg. 'Gci bX'8Yg][b'UbX'5b]a Uh]cb -è'h\Y'cb']bY'YI d'cfU]hcbgžk Yfi'YI d'cfY'gca Y gdYW]Z]WW]gY'gh X]Yg'cZ'hY'i gY'cZgci bX'UbX Ub]a Uh]cb" -è'h\Y'hi hcf]U'gžmci 'W]b'Wcb]bi Y'k cf_]b['cb'mci f Z]bU'dfc'YW]'5h\]g'ghU[Y'mci 'a UmU'gc'k Ubh hc'k cf_g\cd'UbmX]Z]W'hYg'mci 'a UmVY'\Uj]b['k]h mci f'hi hcf"</p>
<p>K YY_- . %%Bcj Ya VYf! %) Bcj Ya VYf</p>	<p>Hcd]W</p>	<p>7 UgY'Gh X]Yg. 'Gci bX'8Yg][b'Zcf'; Ua Yg'UbX'J F -è'h\Y'cb']bY'YI d'cfU]hcbgžk Yfi'YI d'cfY'gca Y gdYW]Z]WW]gY'gh X]Yg'cZ'hY'i gY'cZgci bX'UbX Ub]a Uh]cb" -è'h\Y'hi hcf]U'gžmci 'W]b'Wcb]bi Y'hc'k cf_'cb'mci f Z]bU'dfc'YW]b'dfydUfU]hcb'Zcf'bYI hik YY_f]g gWYYb]b["</p>
<p>K YY_%. %. % Bcj Ya VYf! && Bcj Ya VYf</p>	<p>GWYYb]b[</p>	<p>GWYYb]b[H\]g'k YY_'k Y'k fUd'i d'h\Y'Wci fgYžUbX'gi [[Ygh gca Y'cddcfh b]h]Yg'Zcf'Z fh\Yf'YI d'cfU]hcb" Mci 'k]'VY'gWYYb]b['mci f'dfc'YW]g'Xi f]b['h\Y hi hcf]U'" H\]g']g'Ub'YI W'YbhVXUbW'hc'Yb'5</p>

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

- Mci fi`bYYX`U`XYX]W]hX`\UfX`Xfj`Y`Zcf`Ui`X]c`a`U]h]U`fbch]i`a`V`Xf]`YE`H\]g`k`]`U`ck`mci`hc`ghcfY`U`mci`f`Z]Yg`UbX`Yi`d`cfU]cbg`Ug`mci`dfc`[`fYgg`h]fci`[`\`h]Y`Wci`fgY`Z`UbX`U`ck`mci`hc`k`cf`cb`h]Y`Uf`[`Yf`j`]X]c`Z]Yg`h]U]UfY`d`Uf]cZ`h]Y`Z]bU`Ugg][`ba`Ybh`
- 6f]b[`mci`f`ck`b`\YUXd`cbYg`
- Bch`h]U]c`Ub`cZ`Ncca`:`]Y`X`fYWcfXYfg`Zcf`Ugg][`ba`Ybh]`g`YbWci`fU`[`YX`Z`Vi`hfYei`]fYg`gi`W]W`ggZ`i`gY`]b`k`YY`_`cb`Y`Z`cf`Ub`c]f]Yb]U]cb`Ug`Uddfcj`YX`Vm]h]Y`HYW]b]W]`F`Ygci`fW`7`YbhY`":`]Y`X`fYWcfXYfg`UbX`gmb`h]Yg]h]Yfg`W]b`VY`Vcc`_`YX`h]fci`[`\`h]Y`HF`7`k`YVg]h].`[\hdg.#fWUfg`i`bkg`"YXi`"Ui`#gY`Z`\Y`d`#cc`\]b\[`!Yei`\]da`Ybh`](#)

F YWca a YbXYX`F Ygci fWg

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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

5 WUXYa]W<c bYghmUbX 'D`U[]Uf]ga

D`U[]Uf]ga]g'i g]b['hY'k cfXg'cf]XYUg'cZchYfg'UbX'dfYgYbh]b['hYa 'Ug'mci f'ck b" #WUbb'U_Y'a Ubm Zcfa gž Zca 'XY'VYfUHY'WXUhf]b['hc'UWVXYbhU`mWčdm]b['Zca 'U'gci fW'k]h'ci hUW_bck 'YX[Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga]bhc'hY'Zč`ck]b['WUHY[cf]Yg.

7cdm]b[.i g]b['hY'gUa Y'cf'j Yfmg]a]Uf'k cfXg'hc'hY'cf][]bU`hYI hcf'XYU'k]h'ci hUW_bck 'YX[]b['hY'gci fW'cf'i g]b['ei chU]cb'a Uf_g" 'H\g'U'gc'Udd'Yg'hc']a U[YgžUfhUbX'XYg][b'dfc'YWgžUg'k Y`'Ug dfYgYbhU]cbg'k \YfY'gca YcbY'dfYgYbhg'UbchYf'g'XYUg'cf'k cfXg'k]h'ci hWYX]h'

#Uddfcdf]UHY'dUfUd\fUg]b[.7 \Ub[]b['U'Zk 'k cfXg'UbX'd\UgYg'k \]Y'a cghmifYU]b]b['hY'cf][]bU'gf'i W'fY'UbX#cf'dfc[fYgg]cb'cZ]XYUg'cZhY'cf][]bU'žUbX']bZcfa U]cb'k]h'ci hUW_bck 'YX[Ya Ybh' 'H\g'U'gc'Udd'Yg']b'dfYgYbhU]cbg'k \YfY'gca YcbY'dUfUd\UgYg'UbchYf'g'XYUg'cf'k cfXg'k]h'ci hWYX]h'UbX'hc d]YW]b['hc[Y'hYf'ei chYg'UbX'dUfUd\UgYg']bhc'U'bYk 'k \c'Yžk]h'ci hUddfcdf]UHY'fYZfYbW]b["

7c`i g]cb.'k cf_]b['k]h'chYfg'Vi hdUgg]b['cZhY'k cf_'Ug'U'dYfgcb'g']bX]j]Xi U'k cf_"7c`i g]cb'U'gc]bWi XYg'dfcj]X]b['mci f'k cf_'hc'UbchYf'gh'XYbhVYZc'fY'hY'Xi Y'XUHYžcf'Zc'f'hY'di fdcgY'cZhYa d`U[]Uf]g]b['UhUbm]h]a Yž'dUm]b['UbchYf'dYfgcb'hc'dYfZc'fa 'Ub'UWUXYa]W]Ug_žghYU']b['cf'UWči]f]b[UbchYf'dYfgcb'g'UWUXYa]Wk cf_'UbX'Wčdm]b[]h'čZf]b['hc'Wča d'Yh'UbchYf'dYfgcb'g'k cf_'cf'gYY_]b[dUma YbhZc'Wča d'Yh]b['UWUXYa]Wk cf_"

#Uddfcdf]UHY'W]U]cb.'7]h]b['gci fW'g'k \]W\Uj Y'bhVYYb'fYUXžk]h'ci hUW_bck 'YX[]b['hY'"gYWčbXUfm' gci fW'Zca 'k \]W'_bck 'YX[Y'cZhYa '\Ug'VYYb'cVU]bYX"

8i d']WU]cb'f'fY'Zd`U[]Uf]ga "L'gi Va]h]b['mci f'ck b'k cf_ž]b'k \c'Y'cf']b'dUfřk \YfY']h\Ug'dfYj]ci g'm VYYb'dfYdUfYX'cf'gi Va]hYX'Zc'f'UbchYf'UggYgga Ybhcf'Wč'f'gY'Uhi BGK 'cf'UbchYf'i b]j Yfg]m'

7cffYW'fYZfYbW]b['dfUW]W'g.

- DUfUd\Ug]b[žgi a a Uf]g]b[žYggUm'k f]h]b['UbX'h]a Y'a UbU[Ya Ybh
-

- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V]]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ

5 WUXYa]W]bZcfa Uh]cb`

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[`hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZYfmidc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
- gdYW]U`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
- ghi XYbhYei]fmUbX`X]gUV`]fm/
- UbX`chYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

\hhdg.##k k k "Ufng"i bgk "YXi "Ui #W ffYbh]ghi XYbh]#JWUXYa]W]bZcfa Uh]cb`#dfc]cWc`g`[i]XY`]bYg#