

Medical devices and technologies contributions to healthcare in Europe

The role of Medical Technology in bringing innovative
solutions in Medicine

For

Under the High Patronage of His Excellency The Vice-President
of the Council of Ministers **Mr. Ghassan Hasbani** Minister of Public Health

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25-26 OCTOBER 2017
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On behalf of MEDTECH Europe (Eucomed + EDMA)

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Medical Technology in EU – key facts and figures 1/5

Life expectancy in EU countries is improving steadily. Life expectancy at birth in EU member states has increased by over 6⁽⁴⁾ years since 1980, reaching 79⁽⁴⁾ years in 2010. According to the OECD data, on average across the European Union, life expectancy at birth for the three-year period 2008-10 was at 75.3⁽⁴⁾ years for men and 81.7⁽⁴⁾ years for women.

Medical Technology in EU – key facts and figures 2/5

In OECD countries life expectancy at birth increased by more than 11⁽⁵⁾ years since 1960, and in 2010 reached 77.0⁽⁵⁾ years for men and 82.5⁽⁵⁾ years for women. At the same time, healthcare expenditure has also risen: OECD countries spent, on average, 9.5%⁽⁵⁾ of their GDP on health in 2010, up from 4.0%⁽⁵⁾ in 1960, albeit with variations between individual countries. EU member states devoted on average 9.0%⁽⁴⁾ of their GDP to health spending in 2010.

Medical Technology in EU – key facts and figures 3/5

According to OECD *Health at a Glance: Europe 2012* report⁽⁴⁾ growth in health spending per capita slowed or fell in real terms in 2010 in almost all European countries, reversing a trend of steady increases. Spending had already started to fall in 2009 in countries hardest hit by the economic crisis, but this was followed by deeper cuts in 2010 in response to growing budgetary pressures and rising debt-to-GDP ratios. On average across the EU, health spending per capita increased by 4.6% per year in real terms between 2000 and 2009, followed by a fall of 0.6% in 2010.

<http://archive.eucomed.org/medical-technology>

Medical Technology in EU – key facts and figures 4/5

- **Medical technology is a key driver for Europe's economic well-being, providing quality employment, and a substantial contribution to Europe's balance of trade.**
- **The industry employs more than 575,000 people⁽²⁾**
- **The market size is estimated at roughly € 100 billion⁽³⁾**
- **Around 8% of sales revenue is ploughed back into research and development**

Medical Technology in EU – key facts and figures 5/5

- **There are almost 25,000 medical technology companies in Europe⁽²⁾**
- **It is estimated that almost 95% of MedTech companies are SMEs, the majority of which are small and micro-sized companies⁽²⁾**
- **Europe has a positive medical device trade balance of €14 billion (2011), more than a twofold increase since 2006⁽⁶⁾**

Medical Technology facts & figures : Conclusions 1/2

Potentially > 400,000 devices on the market (>10,000 families)

Contribution of Medical Technology to Life Expectancy

<i>Infant mortality</i>	<i>1960 - 2000</i>	<i>- 81 %</i>
<i>Life expectancy at birth</i>	<i>1960 - 2000</i>	<i>+ 13 %</i>

OECD Health Data 3rd Ed

*Significant contribution in life expectancy of 8 years
in Europe in last 30 years*

Medical Technology facts & figures : Conclusions 2/2

- ✓ Medical technology 21century :
 - Treating illness to deliver wellness
 - Innovation in healthcare is mostly medical technology

Medical technology bringing Innovative solutions

- 1. Expansion of mini-invasive surgery and percutaneous acts replacing open surgery**
- 2. Ambulatory solutions : diagnosis and treatment**
- 3. The preeminence of the quality of life for patients**
- 4. The management of chronic diseases (monitoring by telemedicine).**

Key role of Biomedical Engineer

- 1. Inventory**
- 2. Maintenance**
- 3. Education of hospital staff**
- 4. Equipment Planning**
- 5. In charge of safety of use**
- 6.**
- 7. Part of the innovation development bringing innovative alternative to patient**

faraj.abdelnour@orange.fr – Thanks for attention

X

“ Quand il y a une innovation,
les Américains en font un
business, les Chinois la copient
et les Européens la réglementent. ”

*Ennio Marcogaglia,
chef d'entreprise et ex-patron du MEDEF italien*

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Hervé Hubaut

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20 J'aime 5 commentaires



- **When Innovation :**
 - US do from a business
 - China do from a copy
 - And EU get new regulation
 - And the Arab World

MERCI de votre attention
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Innovation is within medical technologies/devices

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Is a physicist and has a Ph.D. in biomedical engineering on drug delivery systems (DDS) from the **Université de Technologie de Compiègne**. After four years in Research Development for pharmaceutical laboratories dealing with sterile endo-vascular devices, he was in charge of French homologation and vigilance for surgical devices and Drug Delivery System, and relations with test laboratories at the French Ministry of Health. Faraj participated actively in the transposition into French Law of the AIMD 90/385 and MDD 93/42 as well the French rules for matério-vigilance.

Lebanese Ministry of Public Health advisor, Faraj is in charge of management and assistance for the Minister reform and mainly in the design of the agreement between the Lebanese Ministry of Public Health (LMoPH) and French institutions : HAS (High authority of Health = *Haute Autorité de Santé*, ANSM (French Competent Authority for healthcare product regulation), EFS (*Etablissement Français du Sang* = French Blood institution) dealing with hospital quality accreditation organization and sanitary safety conception of healthcare products, mainly: pharmaceuticals, medical devices and blood collection and processing and blood derivatives products.



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