

Çok Yakın Geleceğe Göz Atmak

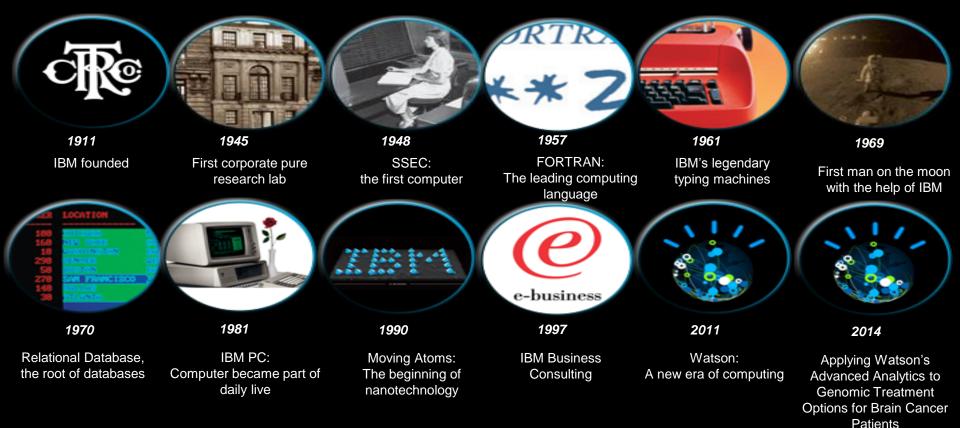
Burcak Soydan, BT Altyapı ve Dışkaynak Hizmetleri, Ülke Müdürü IBM Türk

Some companies survive longer than others



IBM is operating since 1911 in Turkey since 1938

IBM's secret for survival is to move out of its comfort zone



We transformed our Research Division for the new era

1/3 of IBM Research's spending

is now focused on data, analytics and cognitive computing

IBM **Research** *\$6 B investment* each year on IBM Research

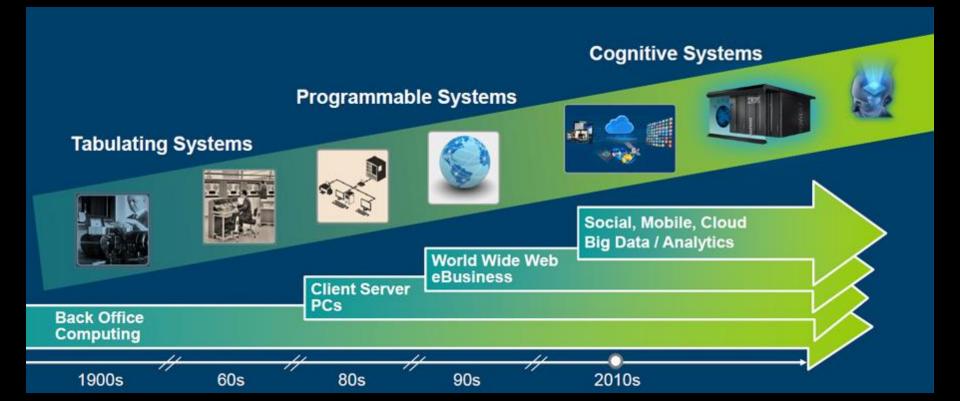
22 consecutive years of patent leadership, with 7.534 patents only in 2014

13 Global R&D Labs

5 Nobel Prizes

We are leading to *a new era of computing*

tem



Cognitive Systems in Hollywood



WRITTEN AND DIRECTED BY ALEX GARLAND THE WRITER OF 28 DAYS LATER

EX_MACHINA

THERE IS NOTHING MORE HUMAN THAN THE WILL TO SURVIVE

COMING SOON



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5 Blu-ray Disc ANTONIO BANDERAS

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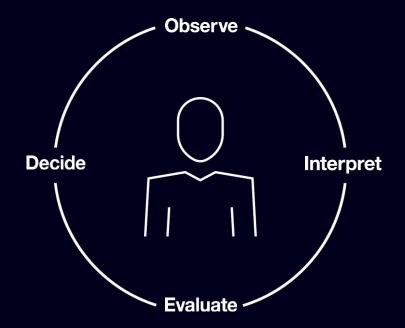
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OHN DEP NSCENDENCE **APRIL 18** IN THEATERS AND IMAX

Watson in Jeopardy!



This is how cognition works.





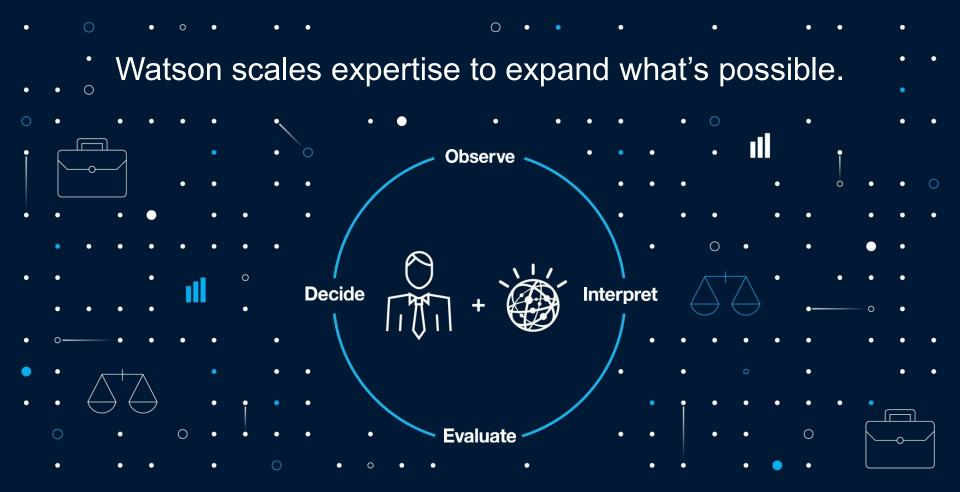




But even experts face challenges in our current environment.



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Watson is creating a new partnership between people and computers that enhances, scales and accelerates human expertise.



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Putting IBM Watson to Work in Healthcare:

IBM Watson Oncology Treatment Advisor

IBM WATSON



Memorial Sloan-Kettering Cancer Center

@Imemational Decomines Machines Corporation, 2017

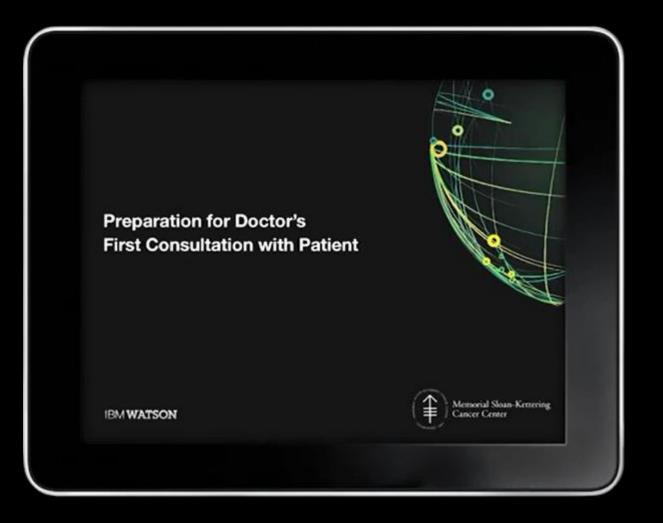


Lin J. Yamato Gender: Fernale DOB: Jamuiary 35, 1975 (37) Place of Birth: Osaka, Japan

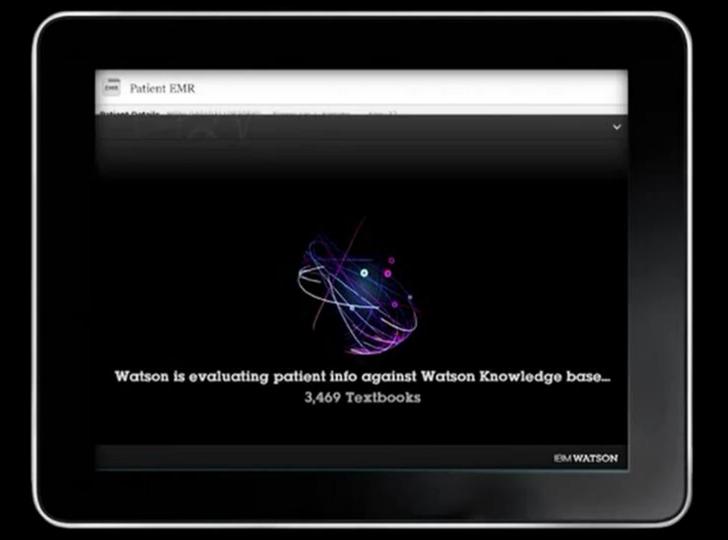
Current Condition

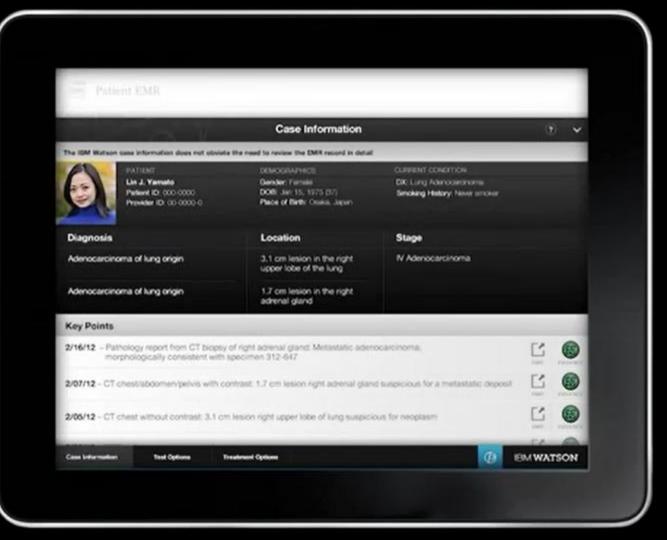
DX: Lung Adenocarcanness Smoking History: Never smoker



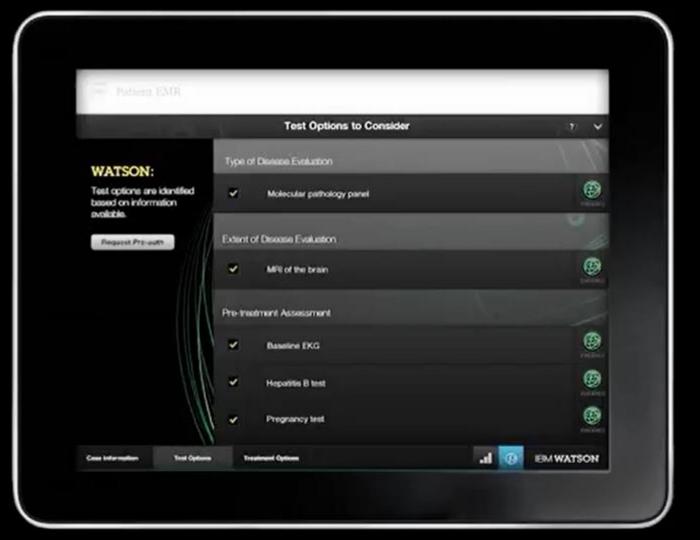












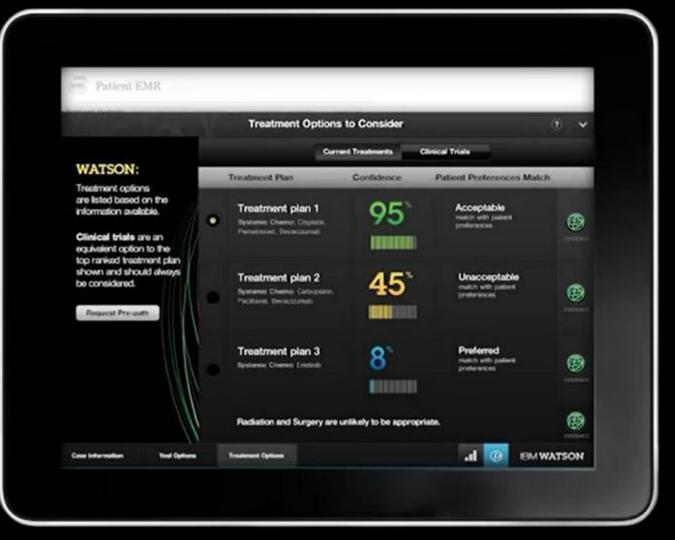
| | Test Options to Consi | ider | |
|--------------------------|---|--|----------|
| WATSON Test options a | lolecular pathology panel | References | |
| iving | Que to hoquent presence of oneir instances in patients with long cancers, it is incommended that all patients any teshel for EQFR, XISAS, ALX, installions. | NCCN Guardinan' Termen 3.3011 NCCL-10 TECH INCCL-10 TECH INCCL-10 | x |
| | | Mercerard Rosen Roberton Context Context Band Paradose Tige for Children and an in Schlitter and A.A. | > × |
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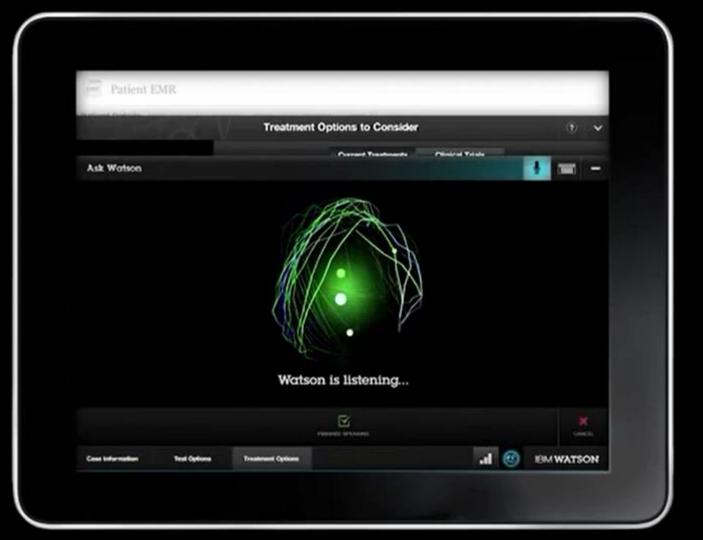
| | | Test Options to Consider | * |
|---------------------------------|--|--|---|
| | Molecul | Reference | |
| WATSON | la company and | | |
| Test options a based on info | Supporting | | |
| Request Pre- | Due to trops lung cancers for EGFR, KF | Purpose: EGFR mutations underleithe sensitivity of lung cancers to eriotinib and gettinib and can occur in any patient with this illness. Here we examine the frequency of EGFR mutations in smokers and men. | |
| | Results: We tested 2,142 lung adenocarchoma spectrems for the presence of EGFR exon 19 deletions and L86R. EGFR mutations were found in 15% of sumon from form tomes treakers (181 of 1,218; 95% C), 13% to 17%, 6% from current smokers (20 of 344; 95% C), 4% to 9%, and 52% from never smokers (302 of 580; 96% C), 48% to 56%; P < .001 for ever vinever smokers), EGFR mutations in former or current smokers appresented 40% of all those detected (201 of 503; 95% C), 35% to 44%, EGFR mutations were found in 19% (157 of 802; 95% C), 15% to 22%) of tumors from men and 20% (346 of 1,315; 95% C), 24% to 29%) of tumors from women (P < .001), EGFR mutations in men represented 31% (157 of 503; 95% C), 27% to 35%) of all those detected. | | |
| | | Conclusion: A large number of EOFR mutations are bound in adenocarchioms furner spectrems from men and people who smoked classifies. If only adones who sense that we have the sense that the sense of t | 9 |

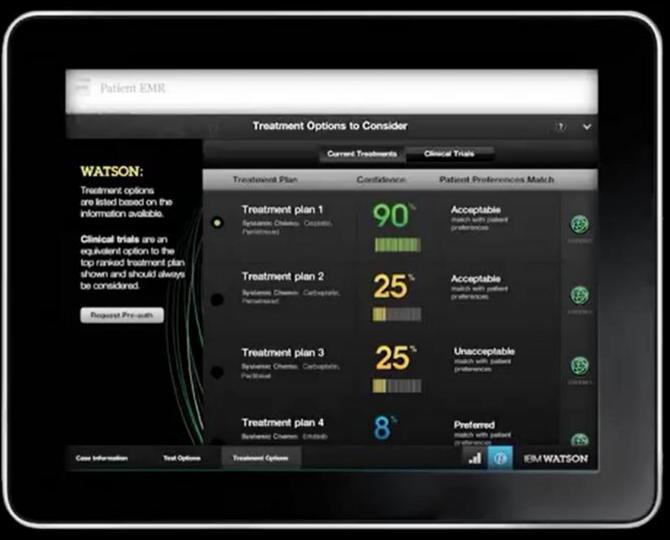




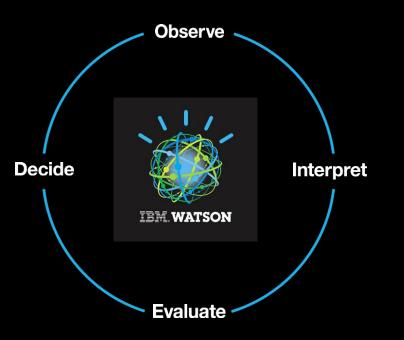
| V. Salar | Case Information | | . (*) . 🗸 |
|---|--|---|-----------|
| le IBM Watson case information does not ob | viste the need to review the EMIX record in detail | C | |
| PATIENT Lin J. Yamate Patient D. 000-0000 Provider ID: 00-0000-0 | DEMOGRAPHICE Gender: Fernale DOB: Jan 15, 1975 (37) Place of Birth: Chalka, Japan | Durreter condition DK Lung Admoststroms Secting History News should | |
| Diagnosis | Location | Stage | |
| Adenocarcinoma of lung origin | 3.1 cm lesion in the right upper lobe of the lung | T2NOM1 | |
| Adenocarcinoma of lung origin | 1.7 cm lesion in the right adrenal gland | | |
| Key Points *2 Updates | | | |
| • 03/06/12 - Molecular pathology shows EGFR exon 20 insertion | | | |
| 03/01/12 - Brain MRI is negative for metastases | | | |
| 2/16/12 - Pathology report from CT bio morphologically consistent w | ply of right adhenal gland: Metastatic aden Ith specimen 312-647 | ocarcinoma; | |
| Case Loturnation Test Options | Treatment Options | al 😨 | EMWATSON |







Cognitive Computing is transforming our industries

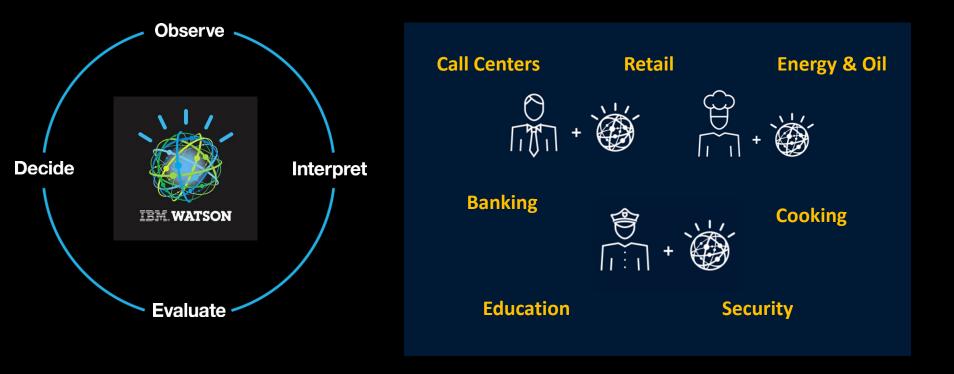




Watson transforming Life Science Industry: With Watson, 7 cancer targets found in a few weeks. Before Watson, the norm is 1 per year.

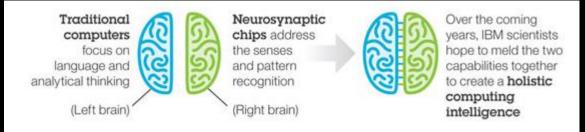


and soon more aspects of our lives will be transformed



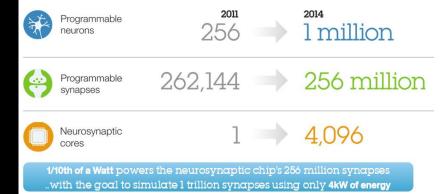
TrueNorth – First Brain-inspired Neurosynaptic Chip





Unprecedented scale

This second generation chip is the culmination of almost a decade of research and development, and is a huge leap forward from the initial single-core hardware prototype developed in 2011.



Pilot applications of TrueNorth chip - sample



We are collaborating with our strategic partners











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As a country, as companies and as individuals we need to move to digital era to compete in this world

| | 2014 | 2023 |
|----------------------|------------------------------------|--------------|
| Turkey Economic Size | 18th Largest | Among Top 10 |
| GDP | 810 B USD | 2 TRL USD |
| Annual Exports | 160 B USD | 500 B USD |
| IT Spending | 1% GDP | 3% GDP |
| | We spend %80 on Infrastructure! | |



What will we make of *this moment*?